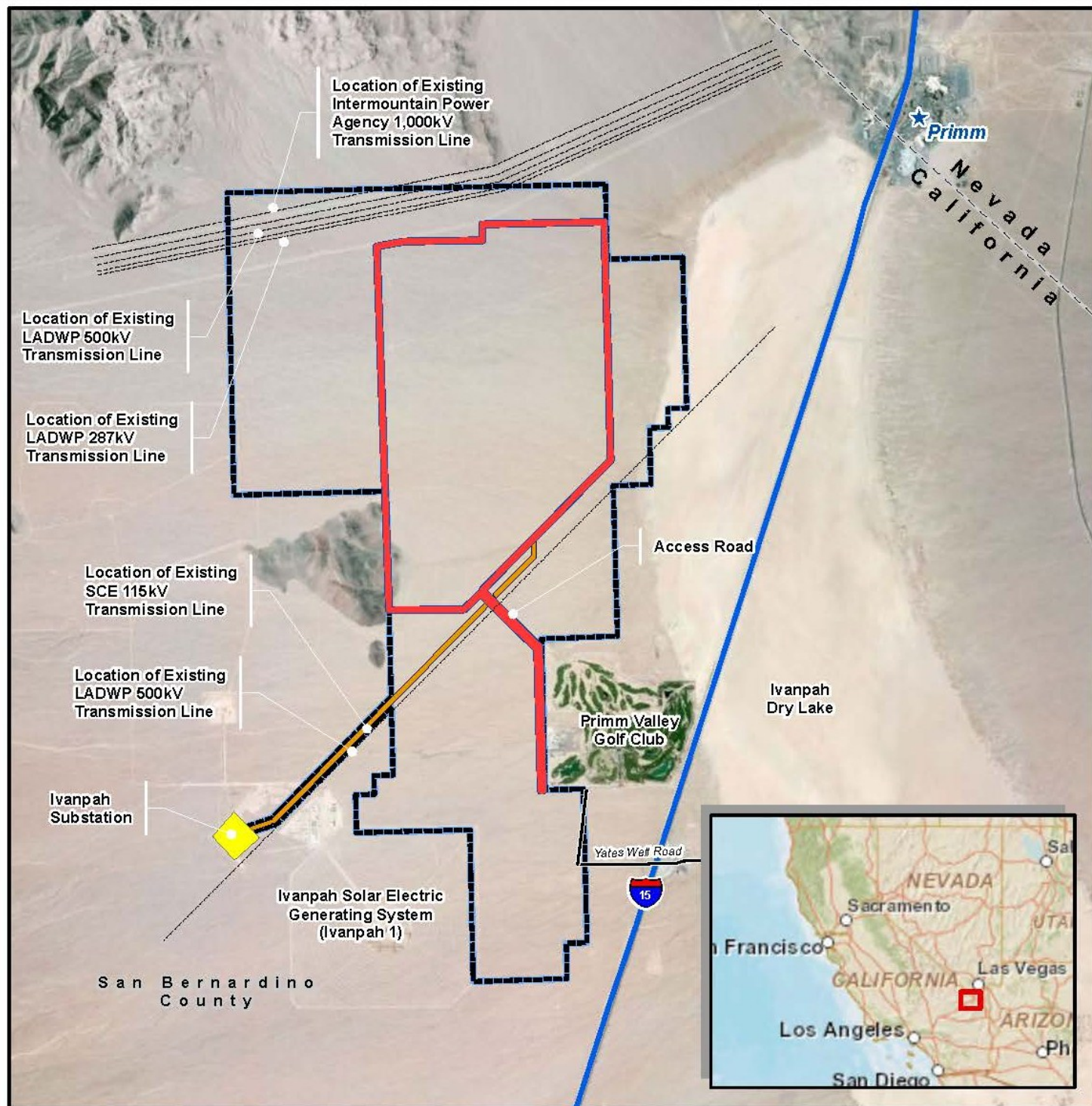


# **APPENDIX A**

## **FIGURES**



0 2,500 5,000 10,000 Feet

#### Legend

- Other Large Transmission Lines
- Alternative 1 Footprint
- Project Study Area

- Gen-Tie Corridor
- Ivanpah Substation

Ref: Desert Stateline, 2011. Plan of Development  
Stateline Solar Farm. August 17.



# AECOM

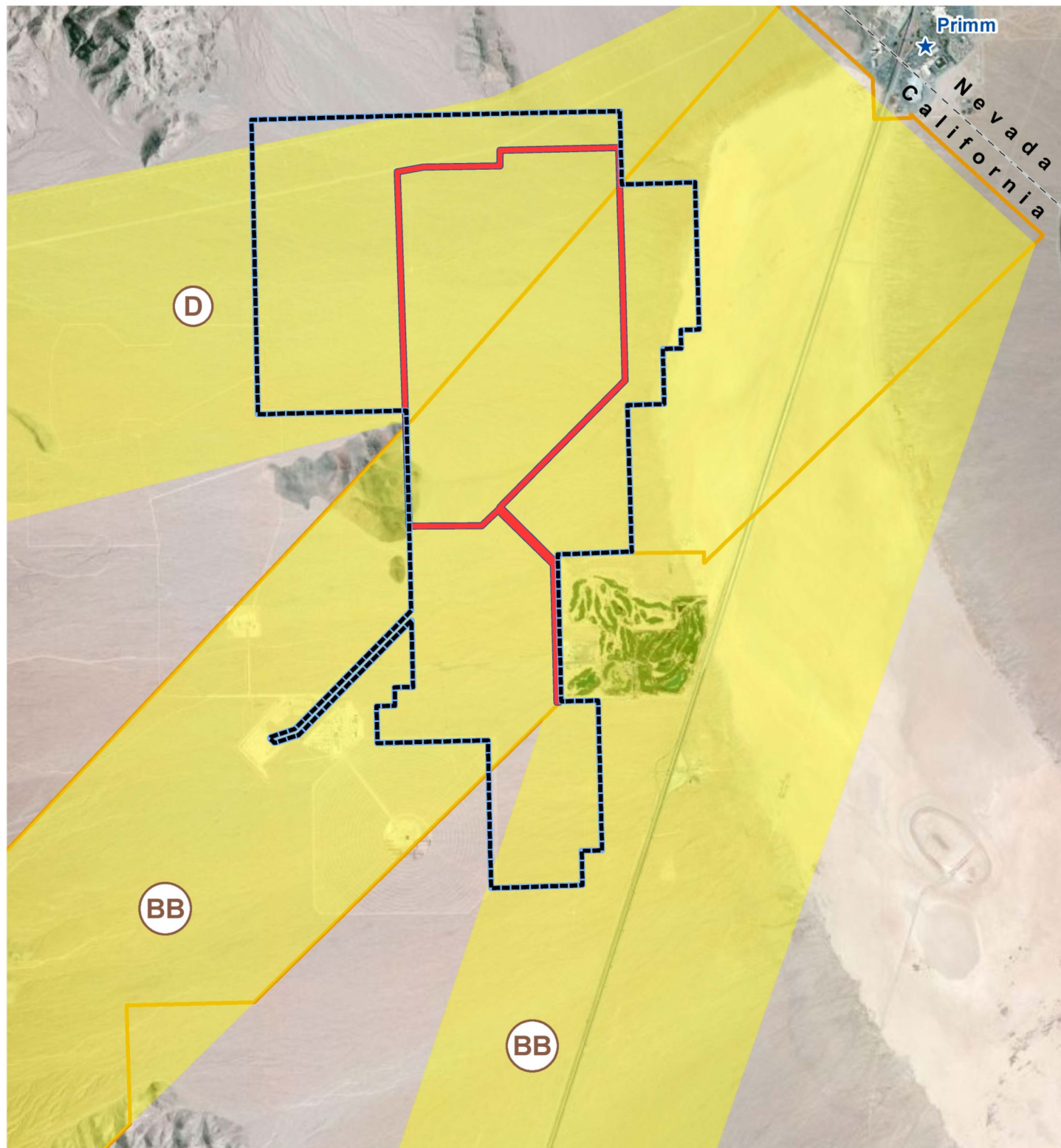
Figure 1-1  
Project Location Map  
Alternative 1: Proposed Action

Stateline Solar Farm Project



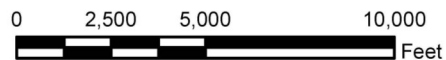






**Legend**

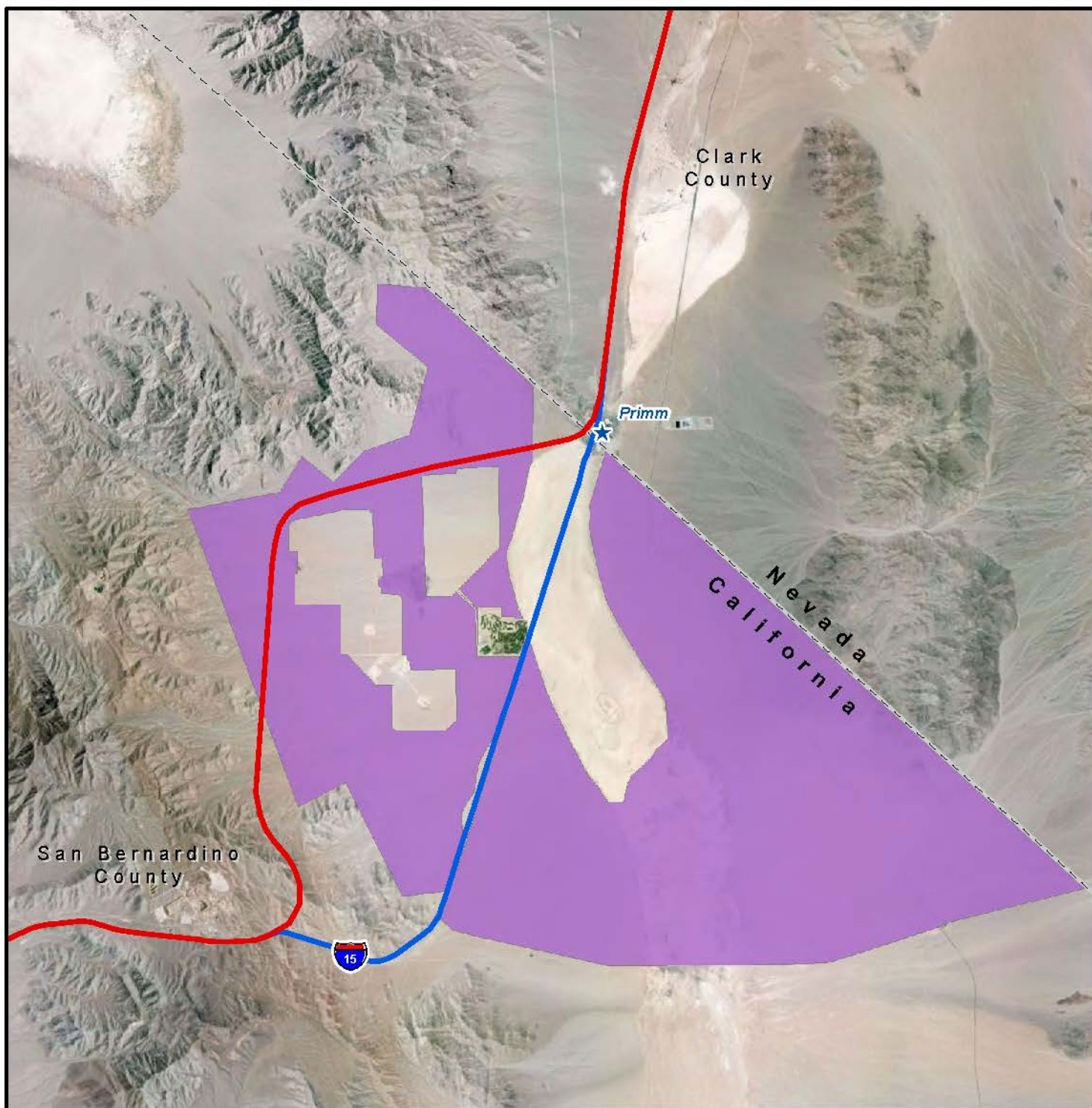
- |   |  |
|---|--|
|  Project Study Area      |  CDCA Designated Corridor       |
|  Alternative 1 Footprint |  West-Wide Energy Corridor - 22 |



**Figure 1-3**  
Utility Corridors in Project Study Area

Stateline Solar Farm Project





0 7,500 15,000 30,000  
Feet

**Legend**

- Desert Xpress
- Proposed Modification

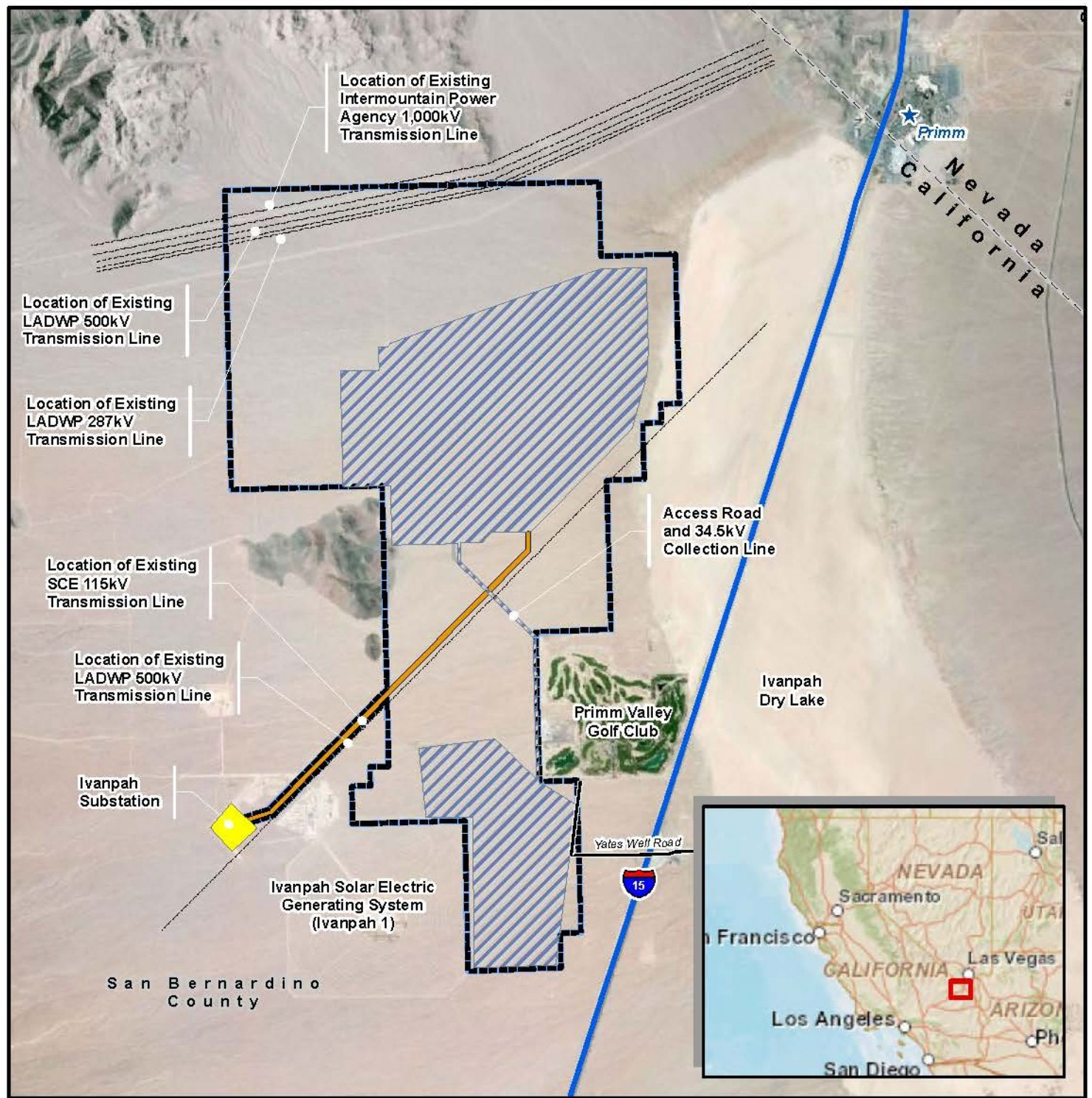


**AECOM**

Figure 2-1  
Proposed Boundary of the Modified DWMA

Stateline Solar Farm Project





0 2,500 5,000 10,000  
Feet

### Legend

- Other Large Transmission Lines
- ▨ Alternative 2 Footprint
- ▭ Project Study Area
- ▭ Gen-Tie Corridor
- ▭ Ivanpah Substation

Ref: Desert Stateline, 2011, Plan of Development  
Stateline Solar Farm, August 17.

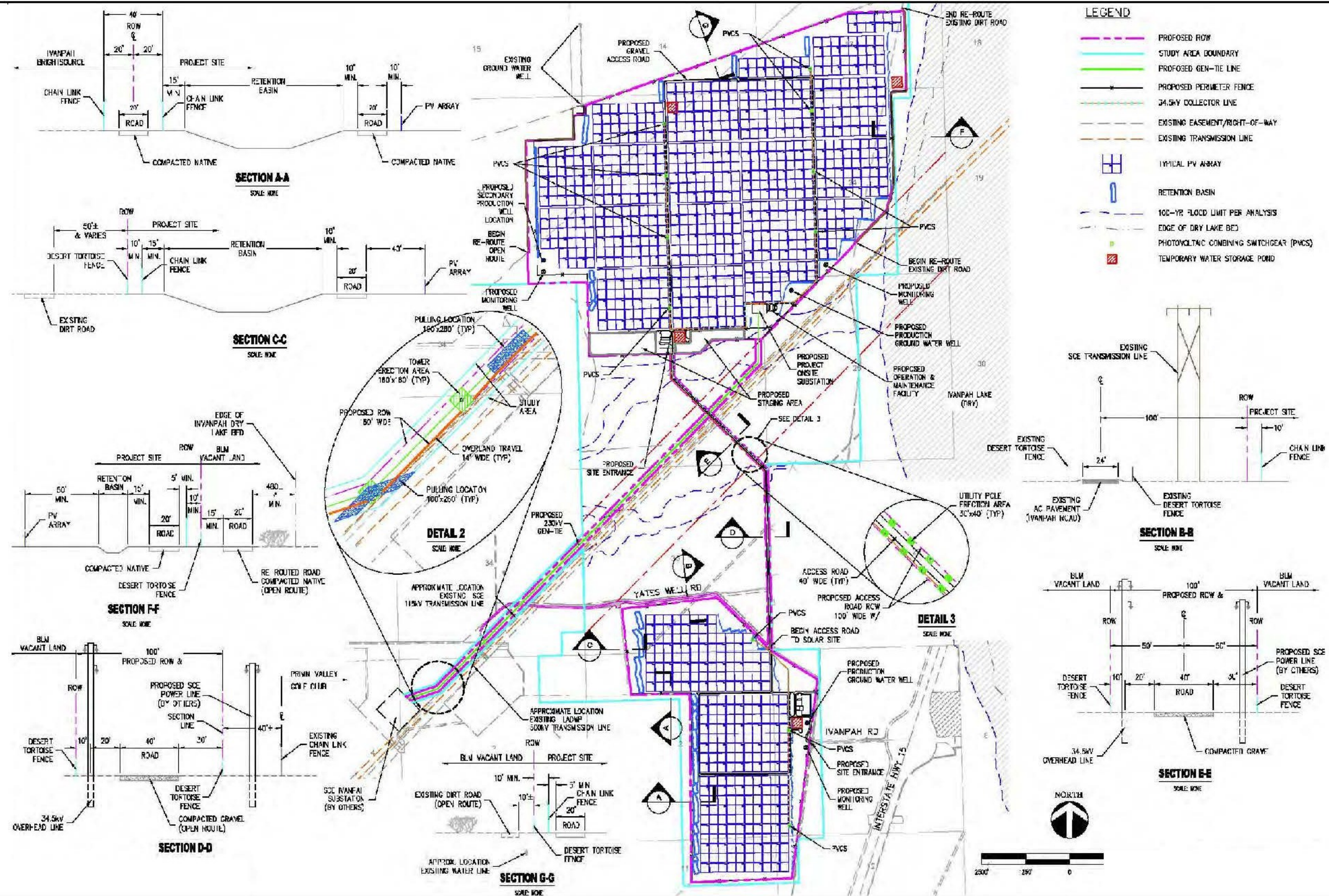


**AECOM**

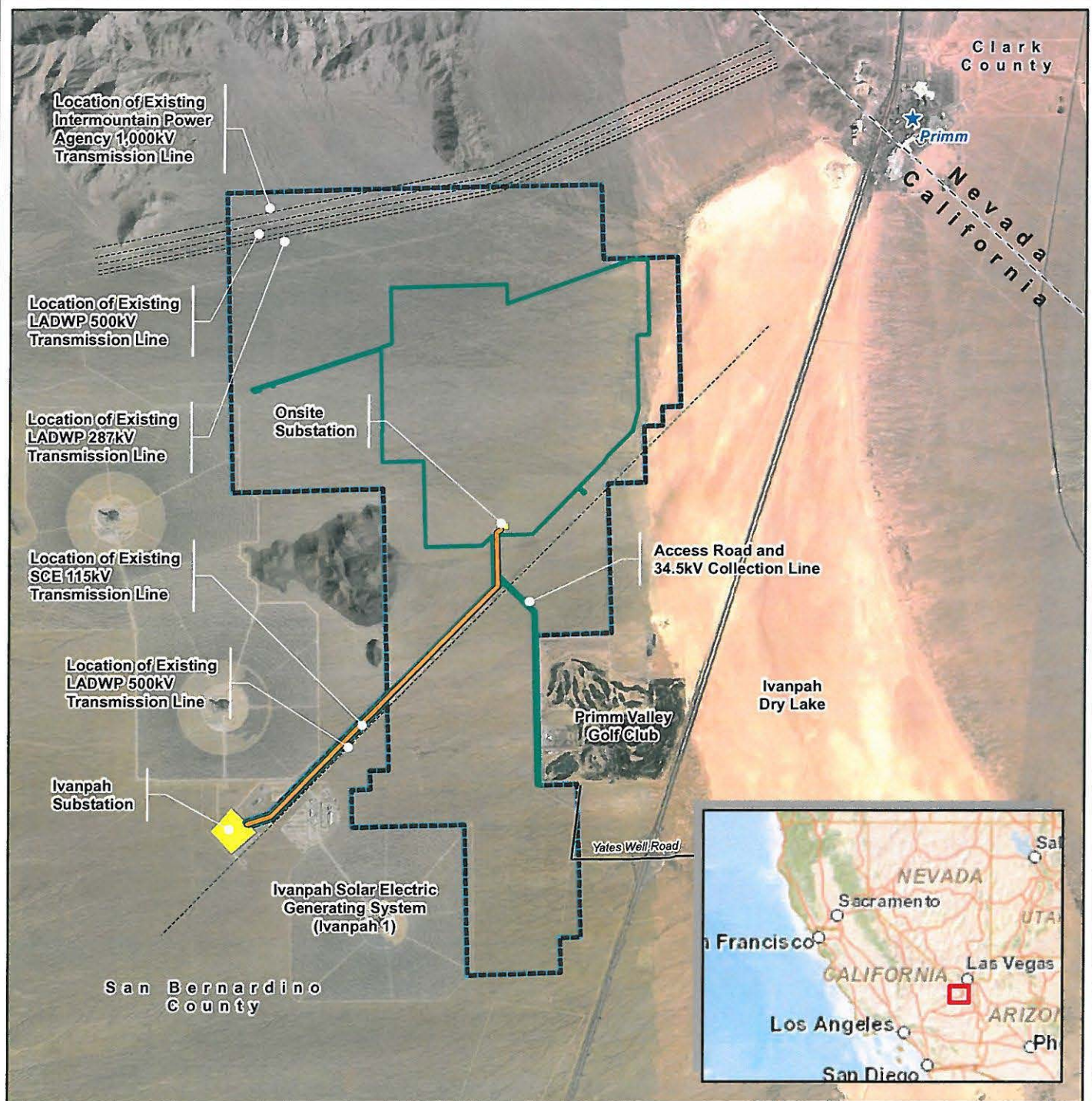
Figure 2-2  
Location Map  
Alternative 2

Stateline Solar Farm Project









0 2,500 5,000 10,000 Feet

#### Legend

- Other Large Transmission Lines
- Revised Alternative 3 Footprint
- Project Study Area
- Gen-Tie Corridor
- Ivanpah Substation



**AECOM**

Figure 2-4  
Location Map  
Revised Alternative 3

Stateline Solar Farm Project

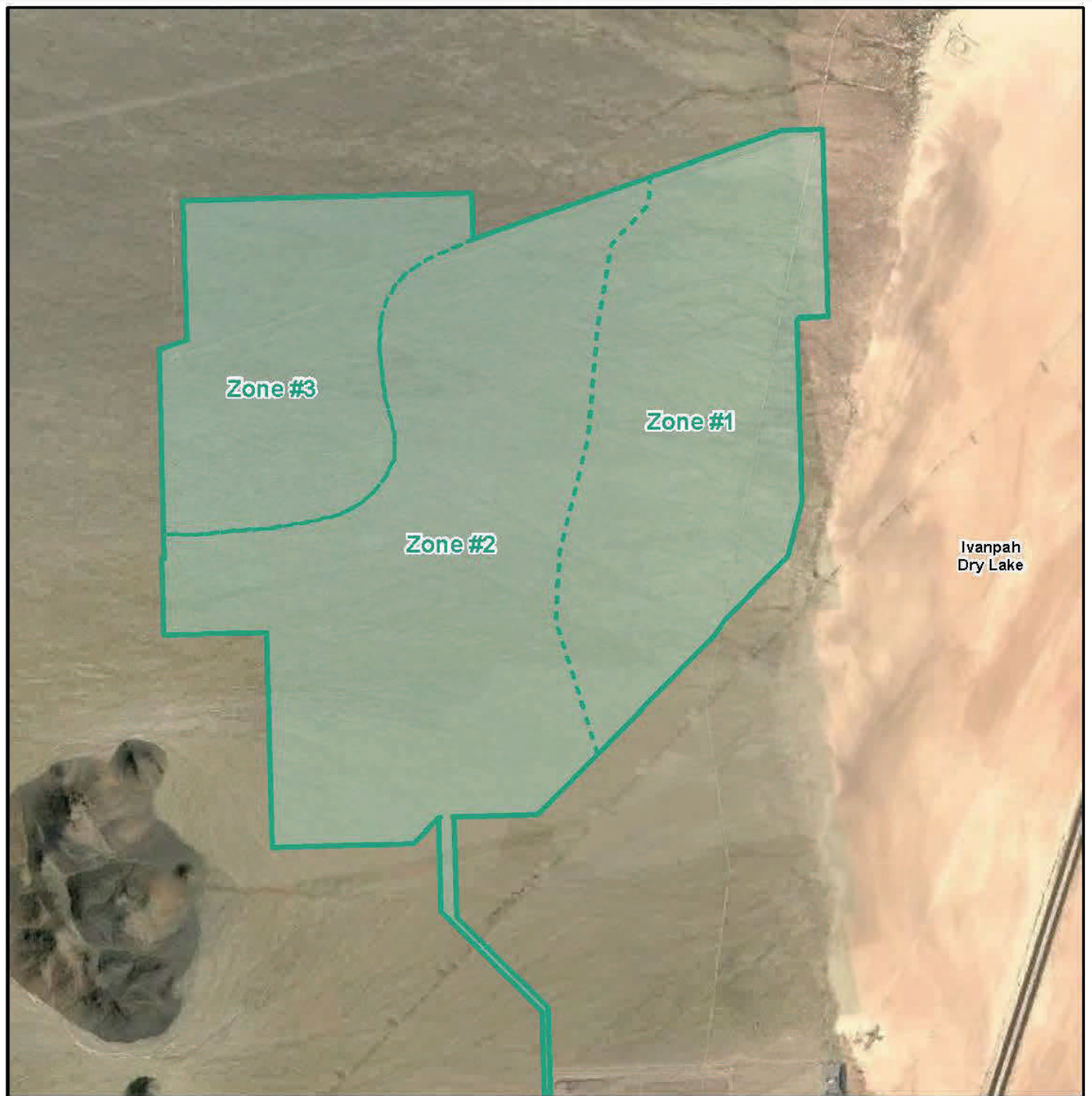
Date: 7/12/2013

Path: L:\Group\IT\_GIS\GIS Projects\Stateline\MXD\Draft\_Site\_Preparation\Figure 2-4 Stateline Location Map Alt 3.mxd












#### Legend

-  Other Large Transmission Lines
-  Site Preparation Zones
-  Revised Alternative 3 Footprint

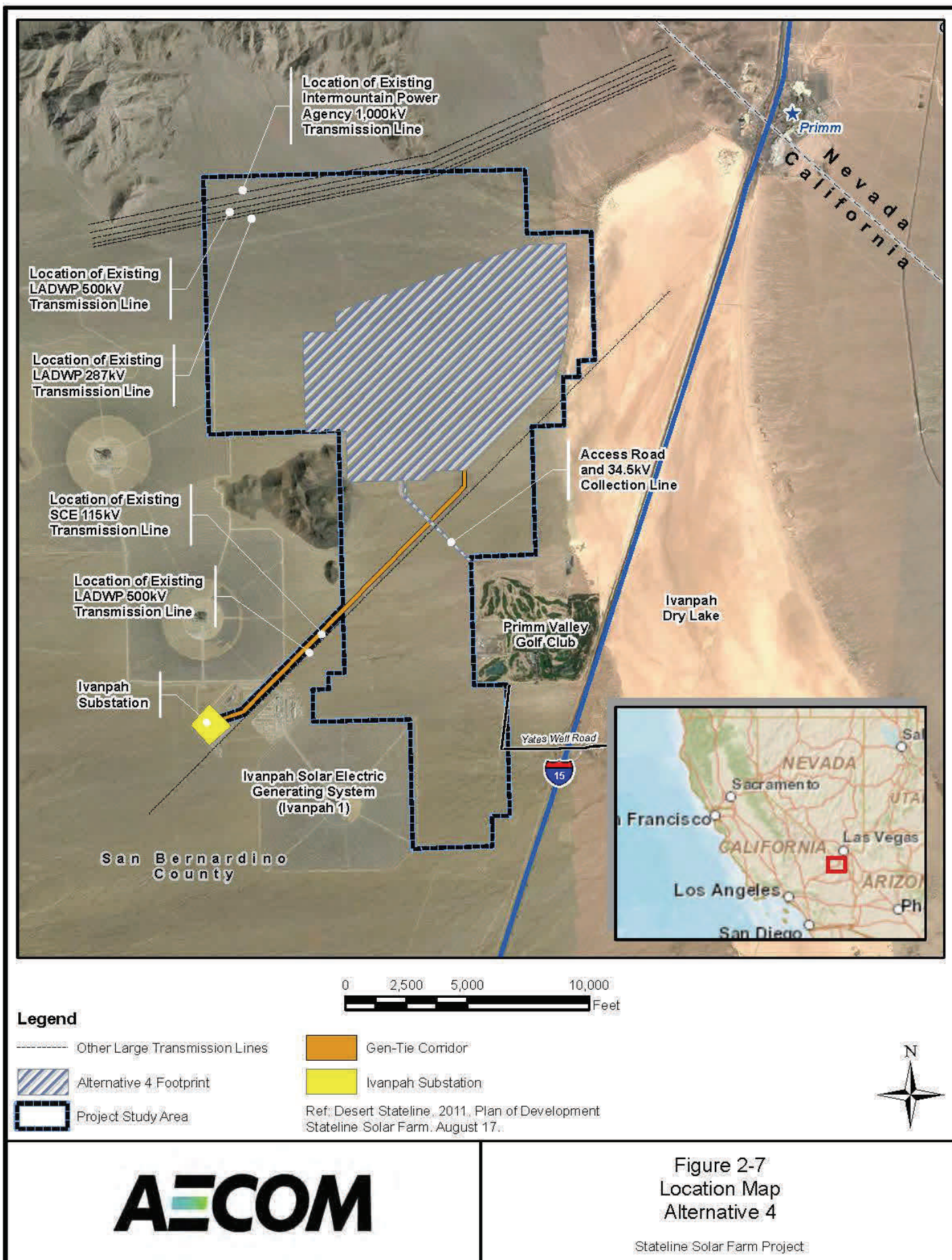
**AECOM**

Figure 2-6  
Site Preparation Zones  
Revised Alternative 3

Stateline Solar Farm Project

Date: 7/12/2013

Path: L:\Group\T\_GIS\GIS Projects\Stateline\MXDs\Draft\_Site\_Preparation\Figure 2-6 Revised Alt 3 Site Preparation Zones.mxd




Date: 7/12/2013

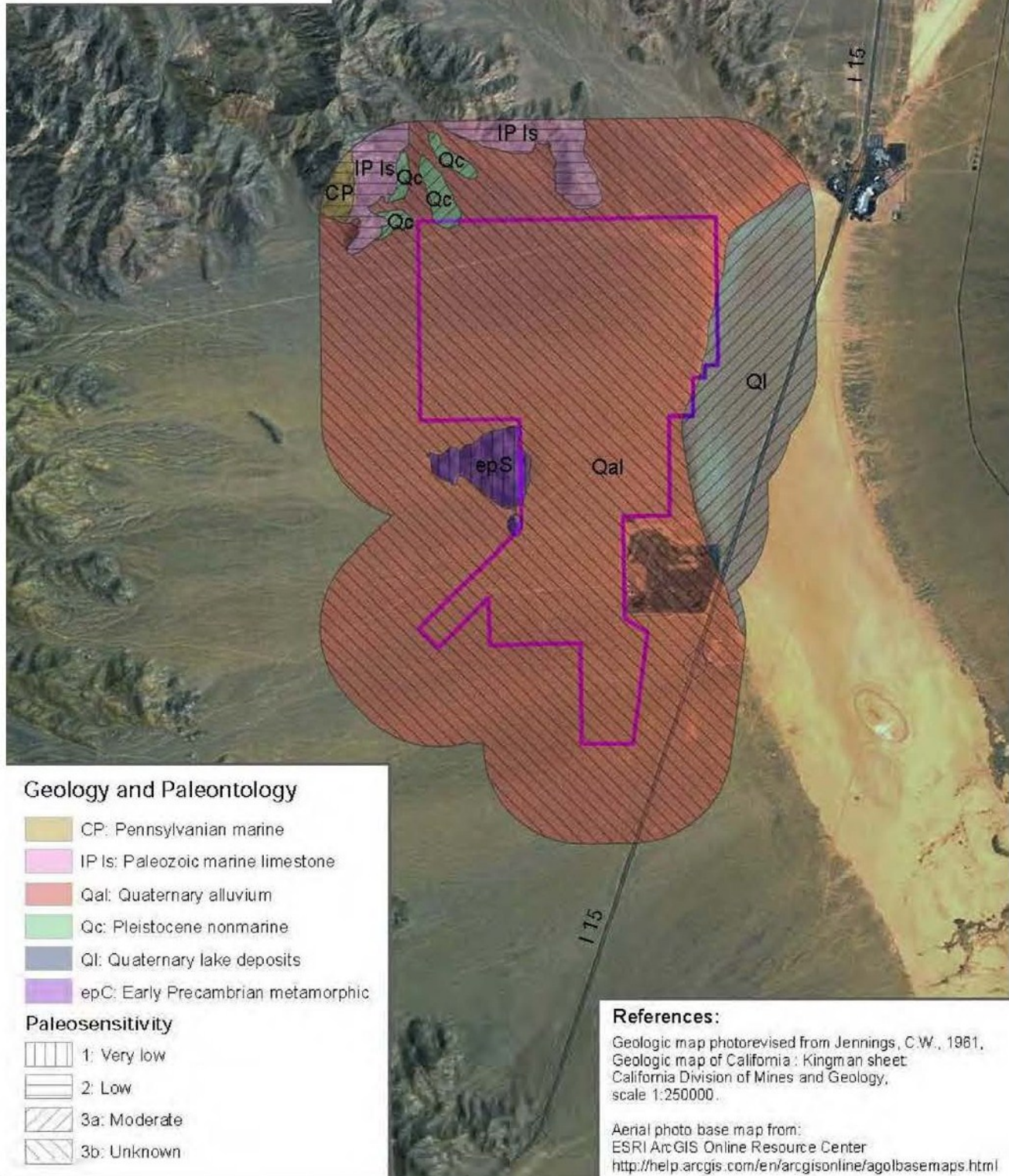
Path: L:\Group\IT\_GIS\GIS Projects\Stateline\MXD\Draft\_Site\_Preparation\Figure 2-7 Stateline Location Map Alt 4.mxd



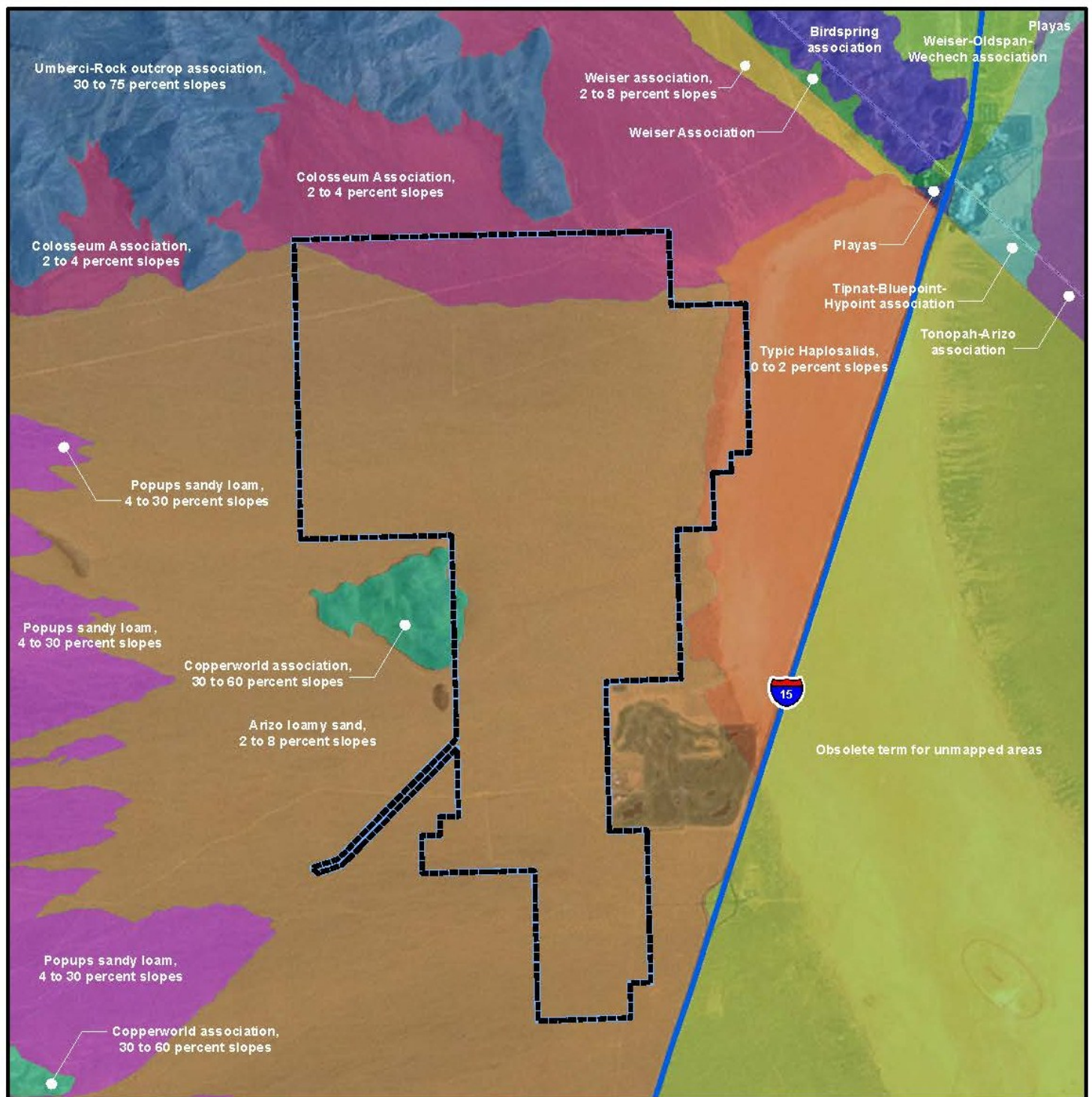
## State Line Project

 Project Boundary

 Miles





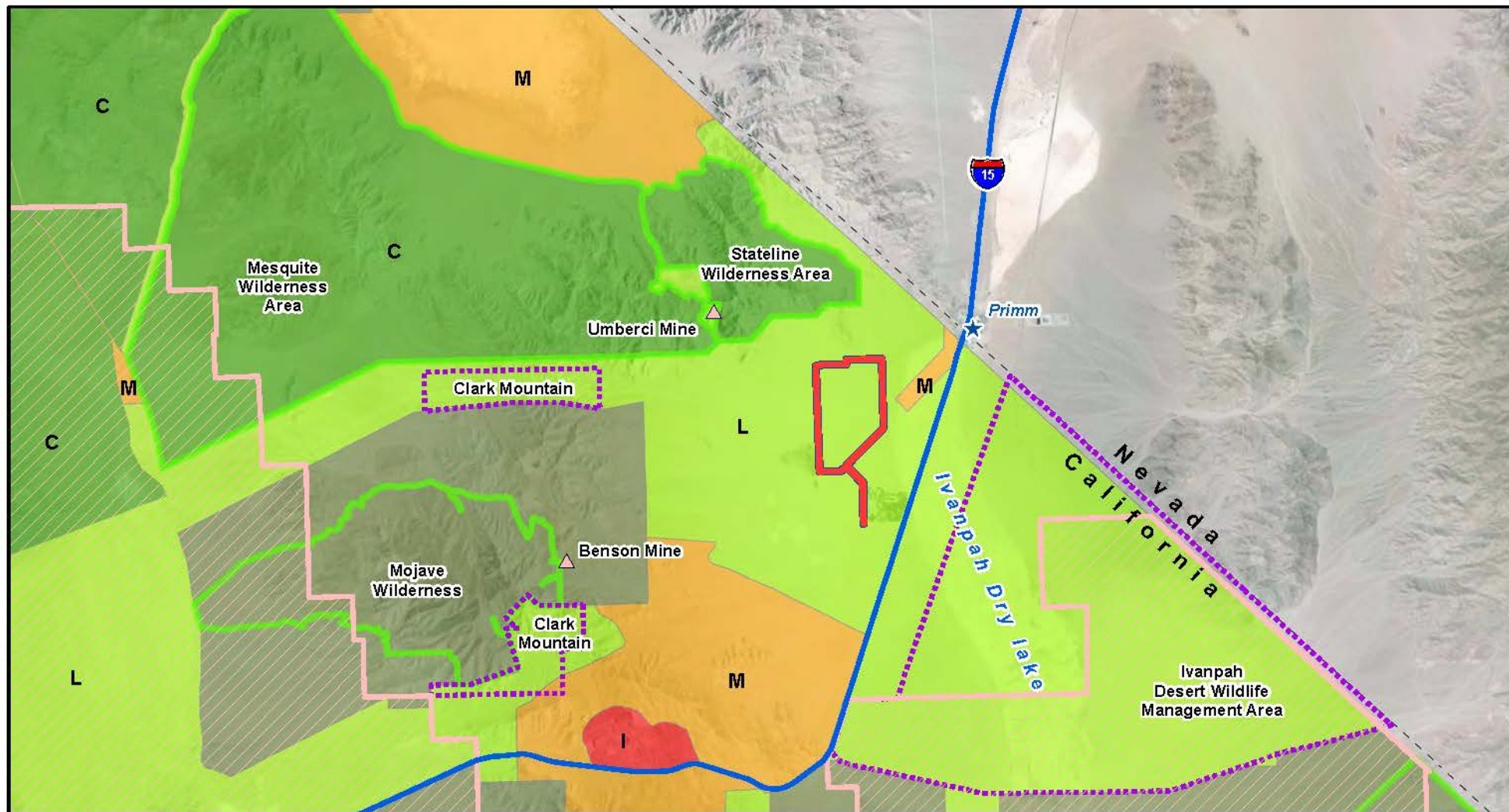


**AECOM**

Figure 3.14-1  
Soils Map

Stateline Solar Farm Project





## Legend

- Mines
- Area of Critical Environment Concern and Desert Wildlife Management Area
- Proposed Project Footprint
- Wilderness Areas
- Desert Tortoise Critical Habitat

## CDCA Plan Multiple Use Classifications

- Controlled (C)
- Moderate (M)
- Limited (L)
- Intensive (I)
- Mojave National Preserve

0 9,000 18,000 36,000 Feet

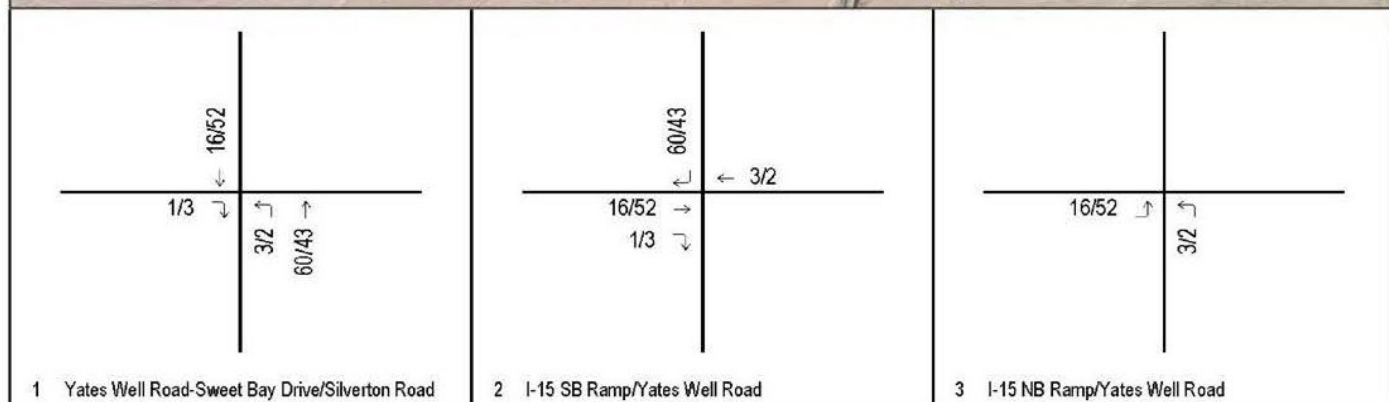
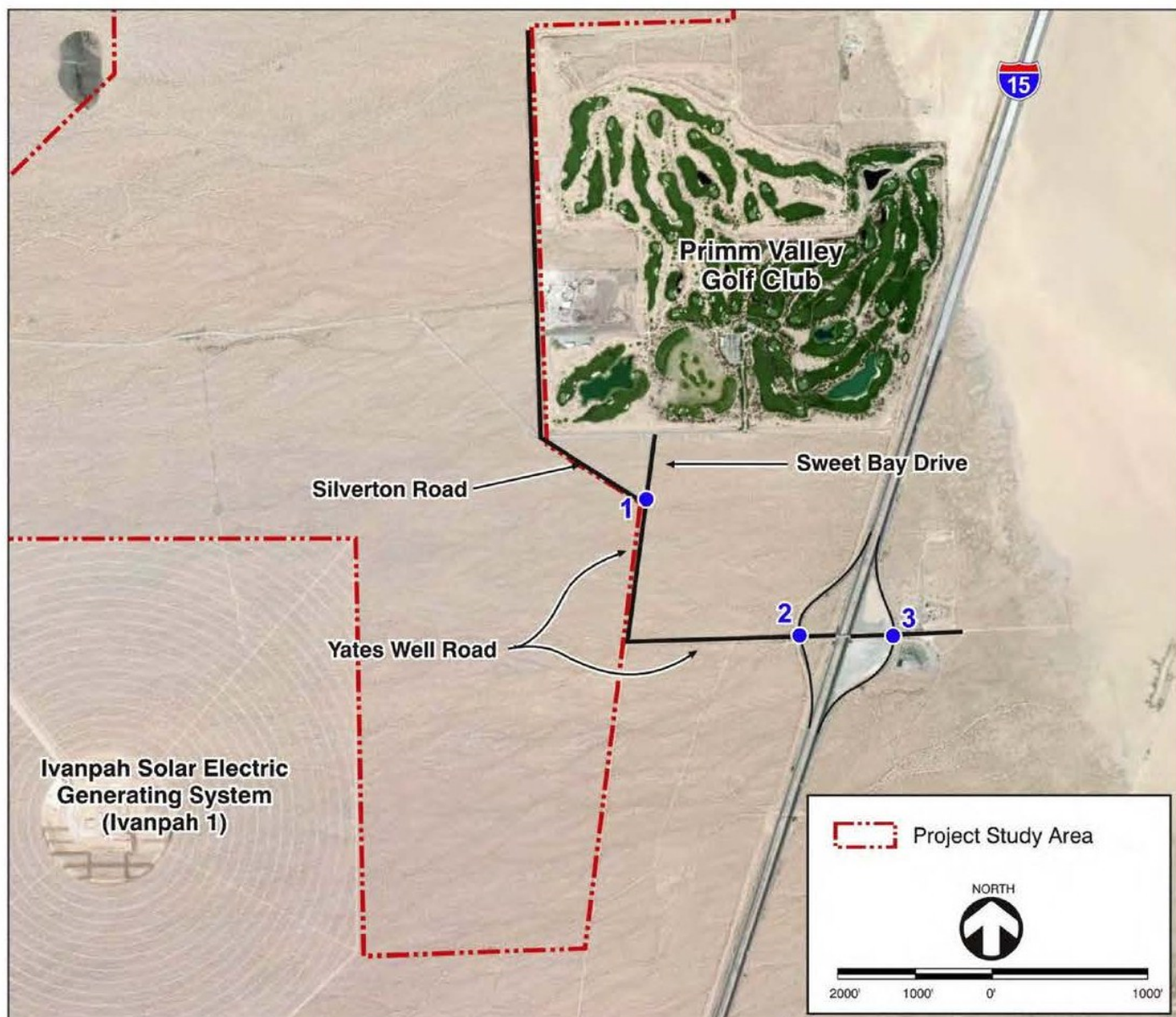


**AECOM**

Figure 3.15-1  
CDCA Plan Multiple Use Classifications and  
Special Designation Areas

Stateline Solar Farm Project



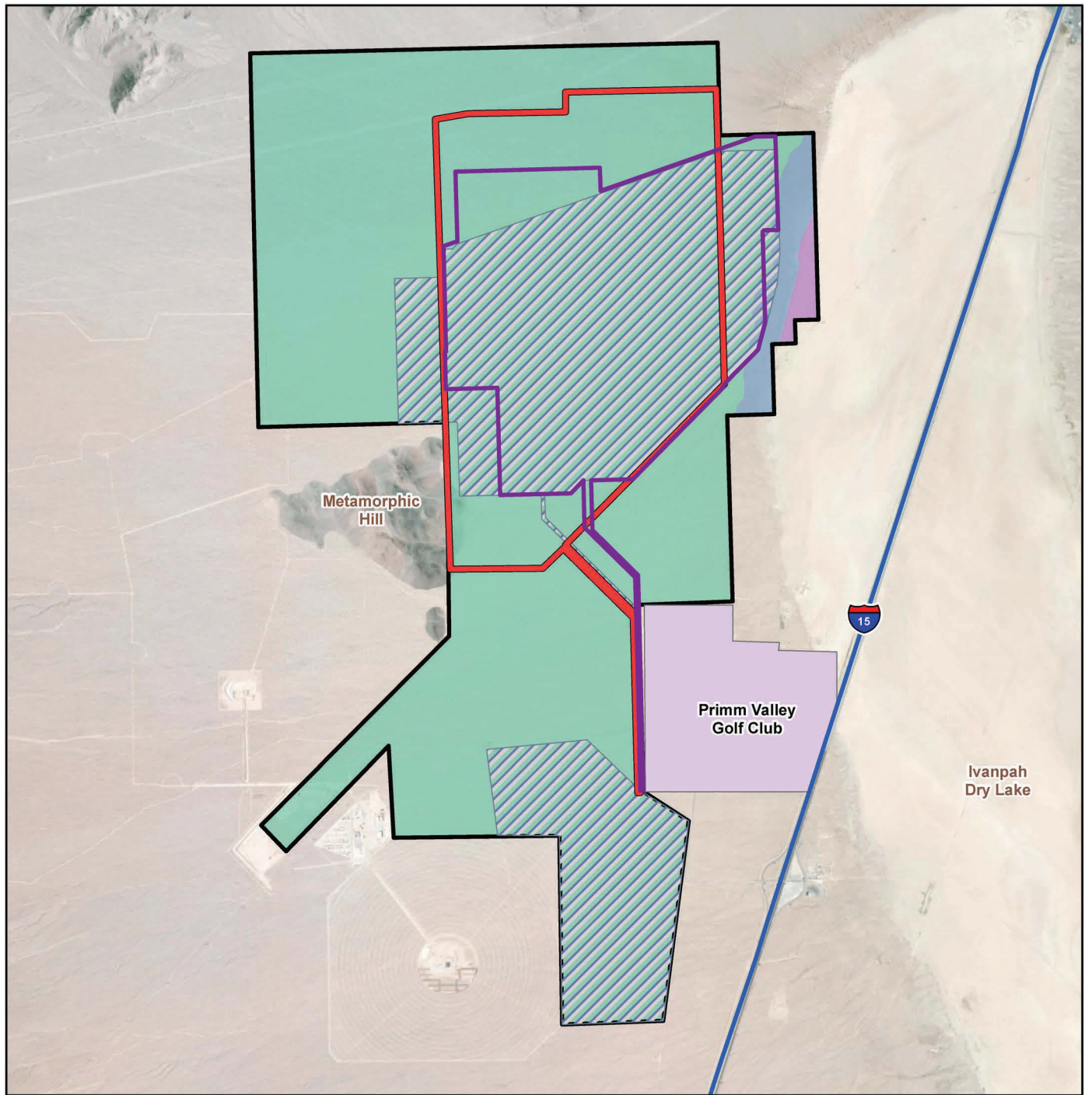


Source: First Solar 2012L











Figure 3.16-1  
Existing Traffic Volumes

Stateline Solar Farm Project



# Legend

- |   |   |
|---|---|
|  Primary Study Area                              |                                 |
|  Creosote Bush-White Bursage Series (5900 acres) |  Alternative 1 Footprint         |
|  Mixed Saltbush Series (160 acres)               |  Alternative 2 Footprint         |
|  Unvegetated Dry Lakebed (50 acres)              |  Revised Alternative 3 Footprint |



**AECOM**

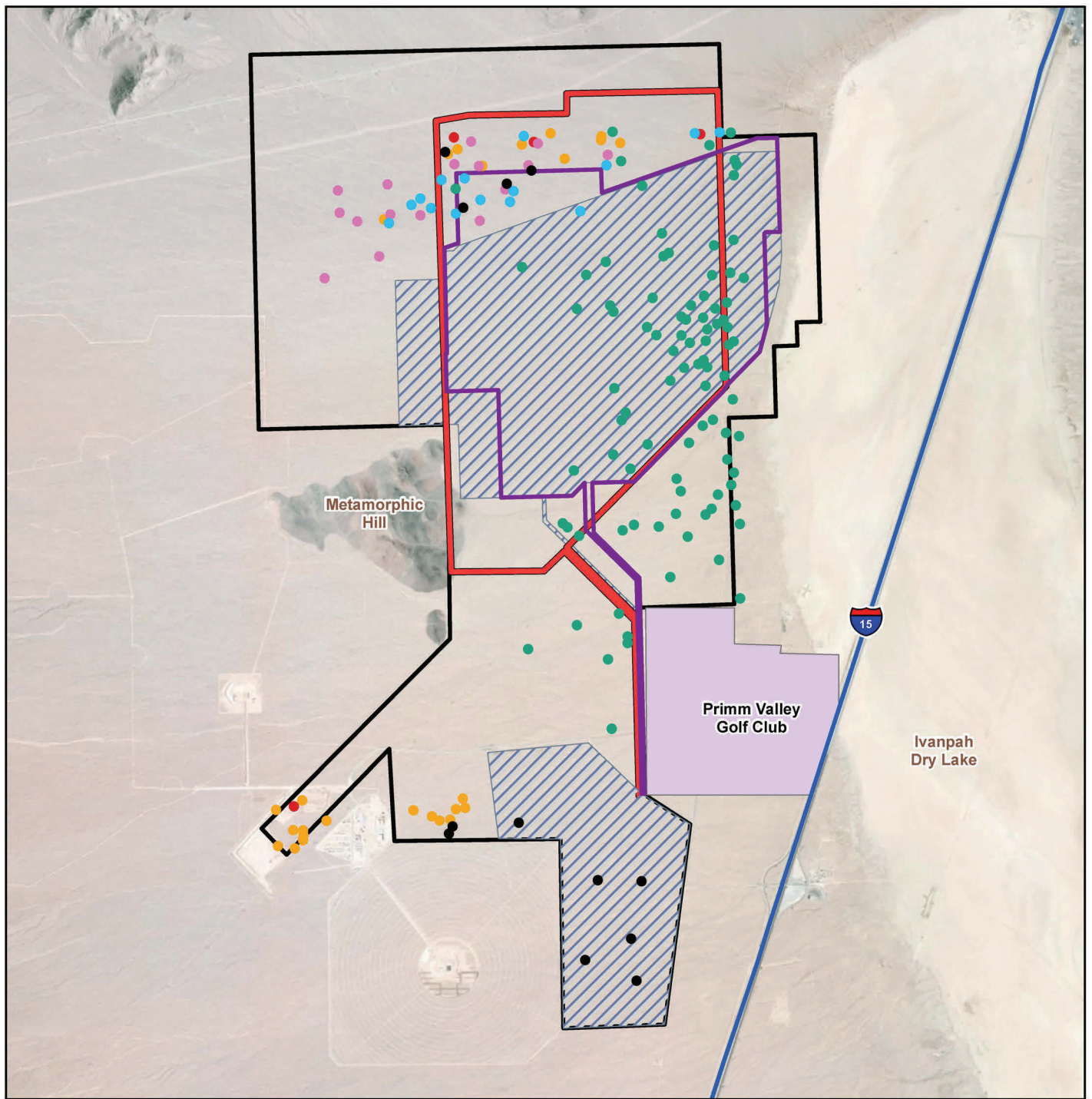
**Figure 3.17-1  
Vegetation Series**

Stateline Solar Farm Project

Date: 9/26/2013

Path: L:\Group\IT\_GIS\GIS Projects\Stateline\MXDs\Draft\_Site\_Preparation\Figure 3\_17-1 Stateline Vegetation Communities\_new.mxd





#### Legend

- Pink Funnel Lily  
*Androstaphyllum breviflorum*
- Mojave Milkweed  
*Asclepias nyctaginifolia*
- Desert Pincushion  
*Coryphantha chlorantha*
- Utah Vine Milkweed  
*Cynanchum utahense*

- Parish Club-cholla  
*Grusonia parishii*
- Rusby's Desert Mallow  
*Sphaeralcea rusbyi* var. *eremicola*

Primary Study Area

- Alternative 1 Footprint
- Alternative 2 Footprint
- Revised Alternative 3 Footprint

# AECOM

Figure 3.17-2  
Special Status Plant Species

Stateline Solar Farm Project




Date: 9/26/2013

Path: L:\Group\IT\_GIS\GIS Projects\Stateline\MXDs\Draft\_Site\_Preparation\Figure 3\_17-2 Stateline Special Status Plant Species.mxd





LEGEND

-  Stateline Solar Alternative D
-  Stateline Solar Alternative B
-  Ivanpah Substation (Approximate Location)



Key Observation Points

Source: First Solar 2011

**AECOM**

Figure 3.18-1  
KOP Locations

Stateline Solar Farm Project



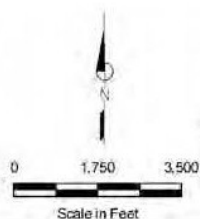


#### LEGEND

TDS - July 2008

- 300 - 350 mg/L
- 351 - 700 mg/L
- 701 - 1,000 mg/L
- 1,001 - 1,500 mg/L
- > 1,500 mg/L
- No TDS Data

- Well Projections
- Cross Section
- Fault
- Interstate 15



**FIGURE 3.3**

**Desert Stateline, LLC  
Groundwater Availability Report**

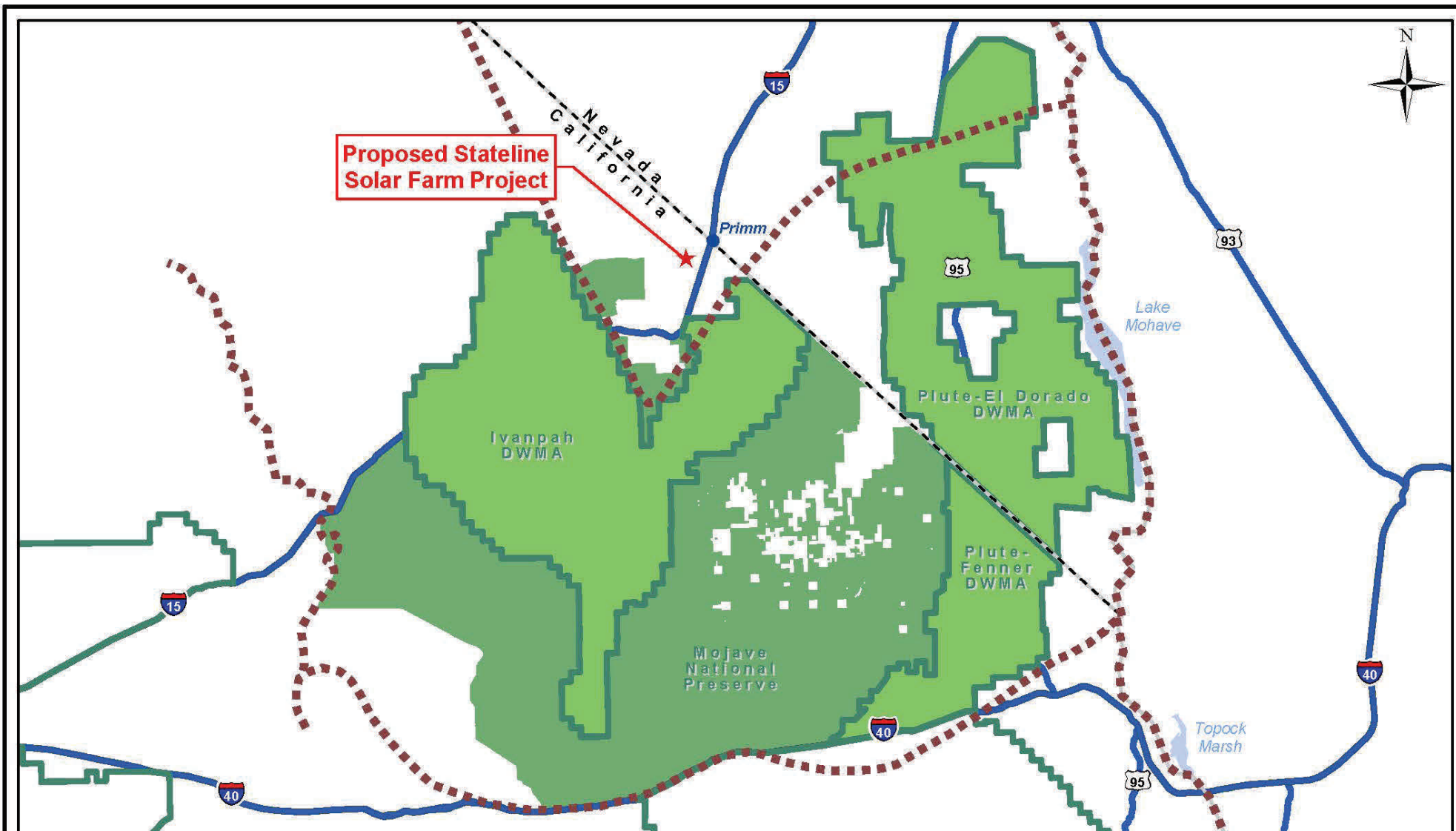
**TDS in Wells**

**AECOM**

Figure 3.19.1  
TDS Concentrations in Groundwater Wells

Stateline Solar Farm Project





#### Legend

- Principal Highways
- - - Approximate Recovery Unit Boundary
- Proposed DWMA Boundaries

Source: Desert Managers Group, 2002.

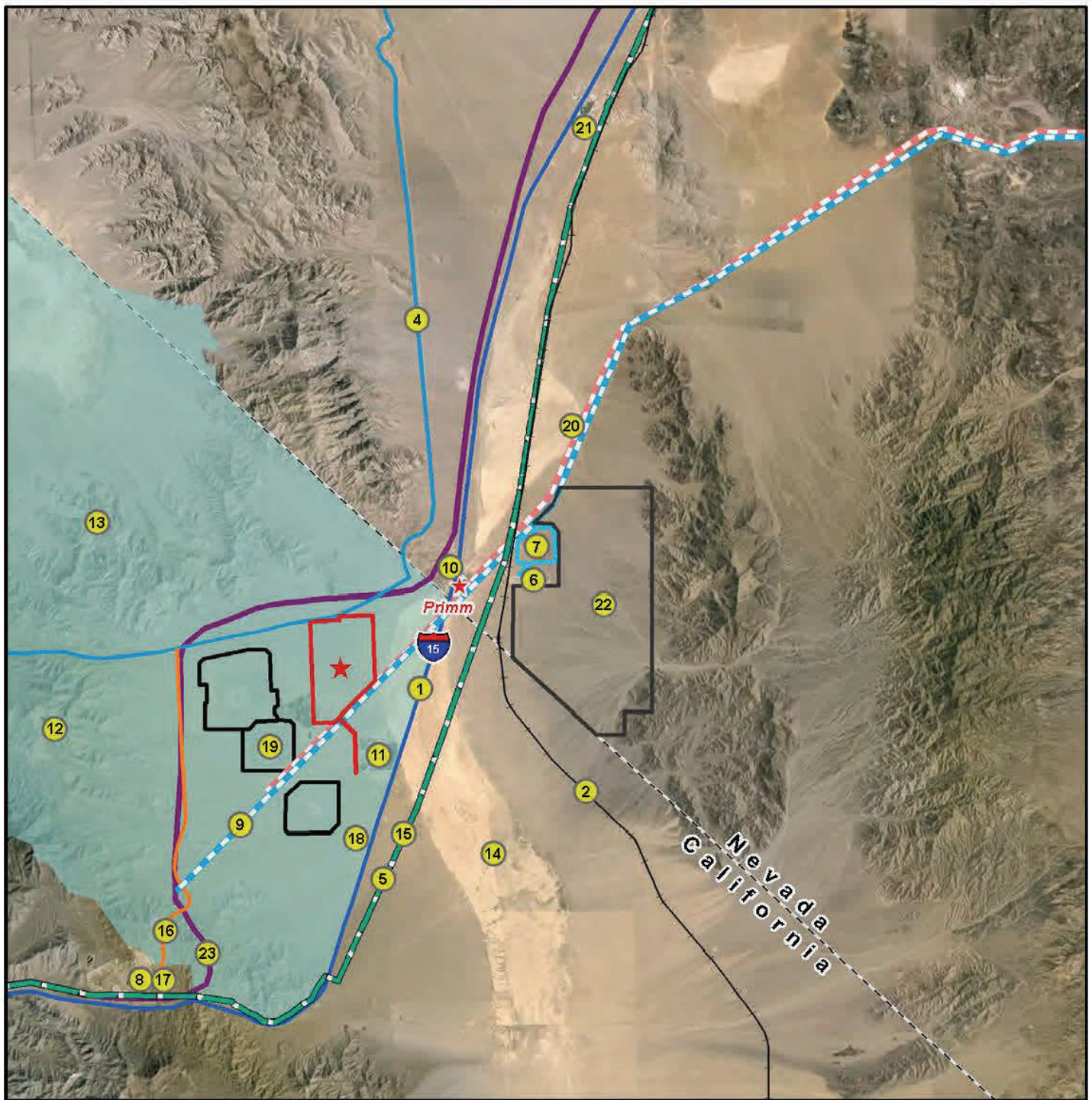
0 7.5 15 30 Miles

**AECOM**

Figure 3.22-1  
Relationship of Stateline Project  
Study Area to DWMA's

Stateline Solar Farm Project





0 9,000 18,000 36,000  
Feet

#### Legend

- ★ Stateline Solar Farm Project Site
- Cumulative Project ID Corresponding to Table 4.1-1
- Clark Mountain Allotment

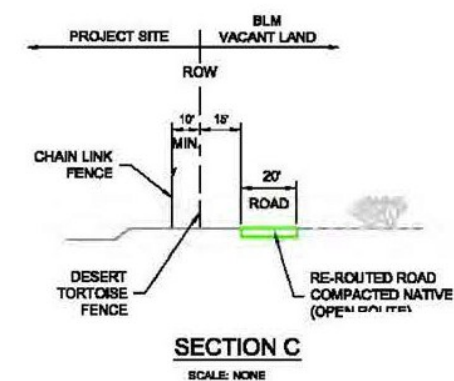
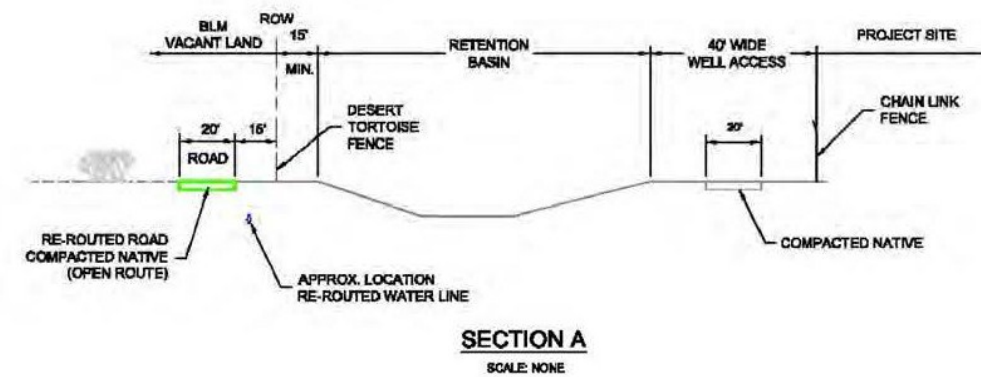
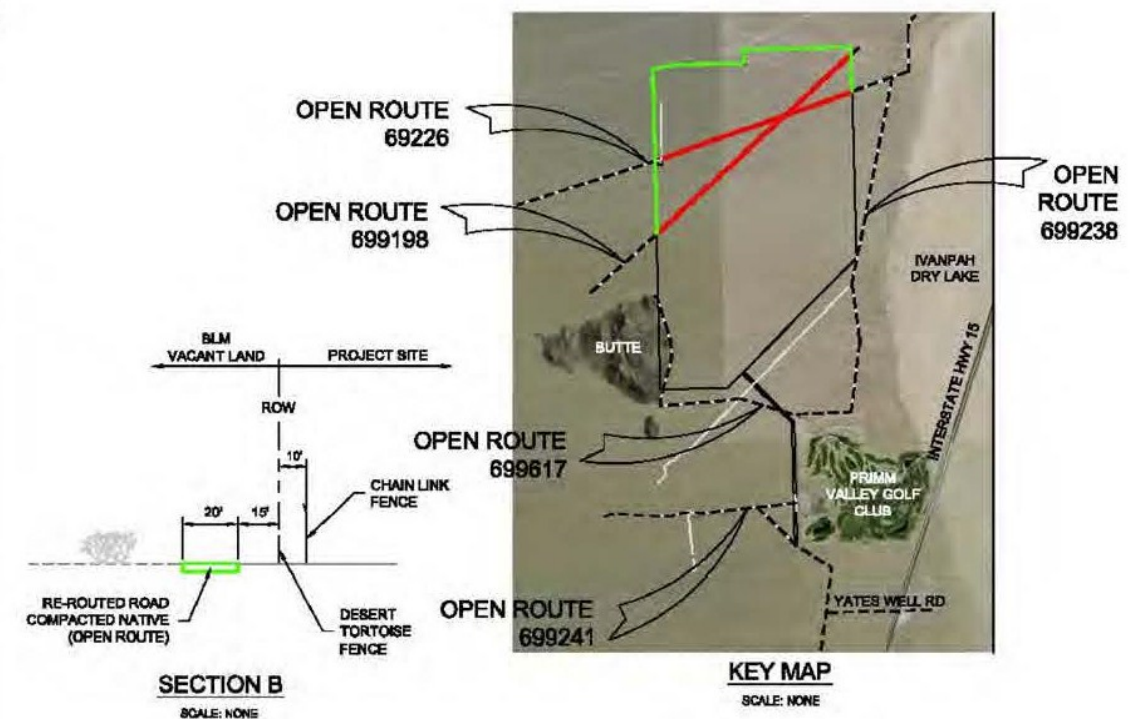
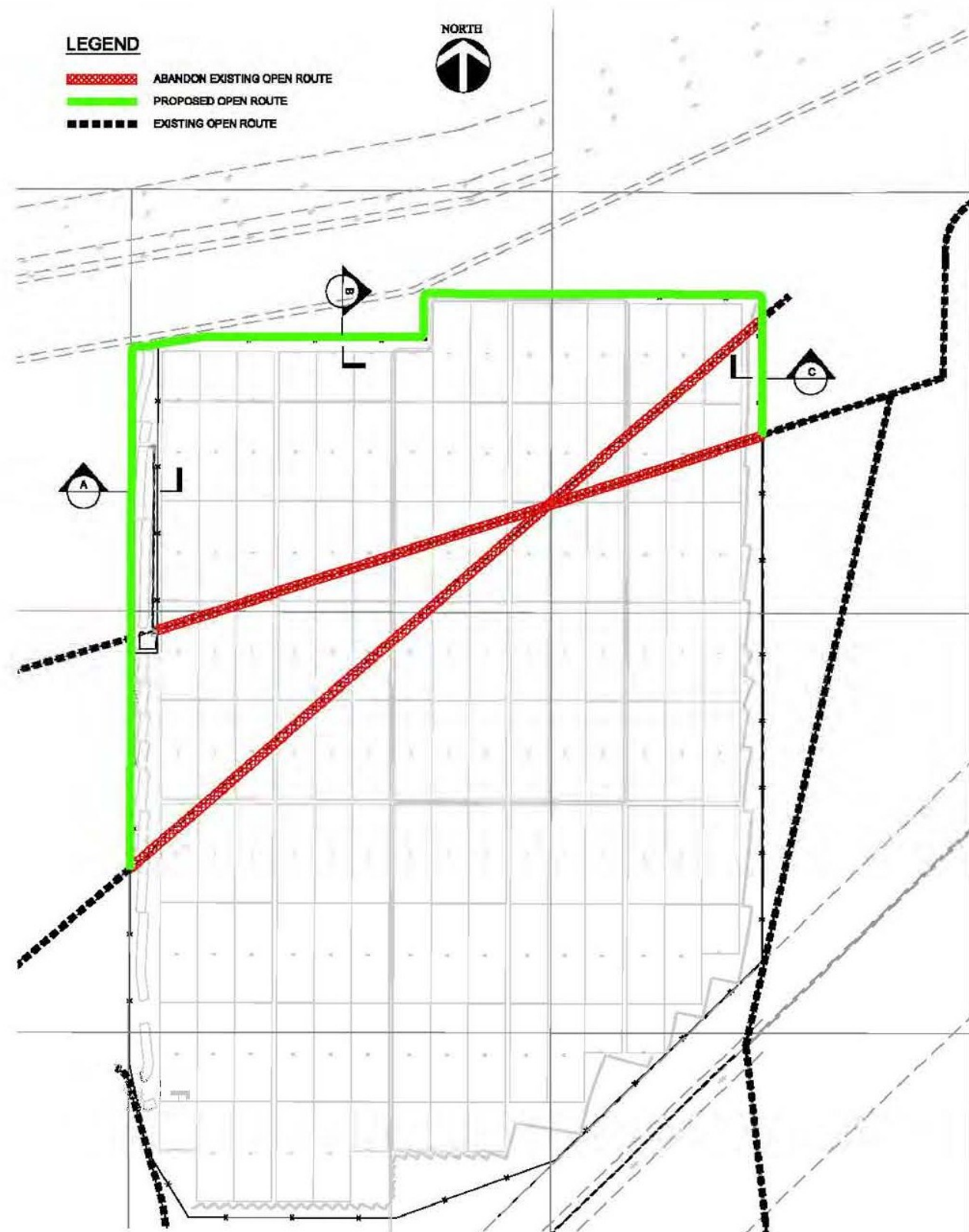


# AECOM

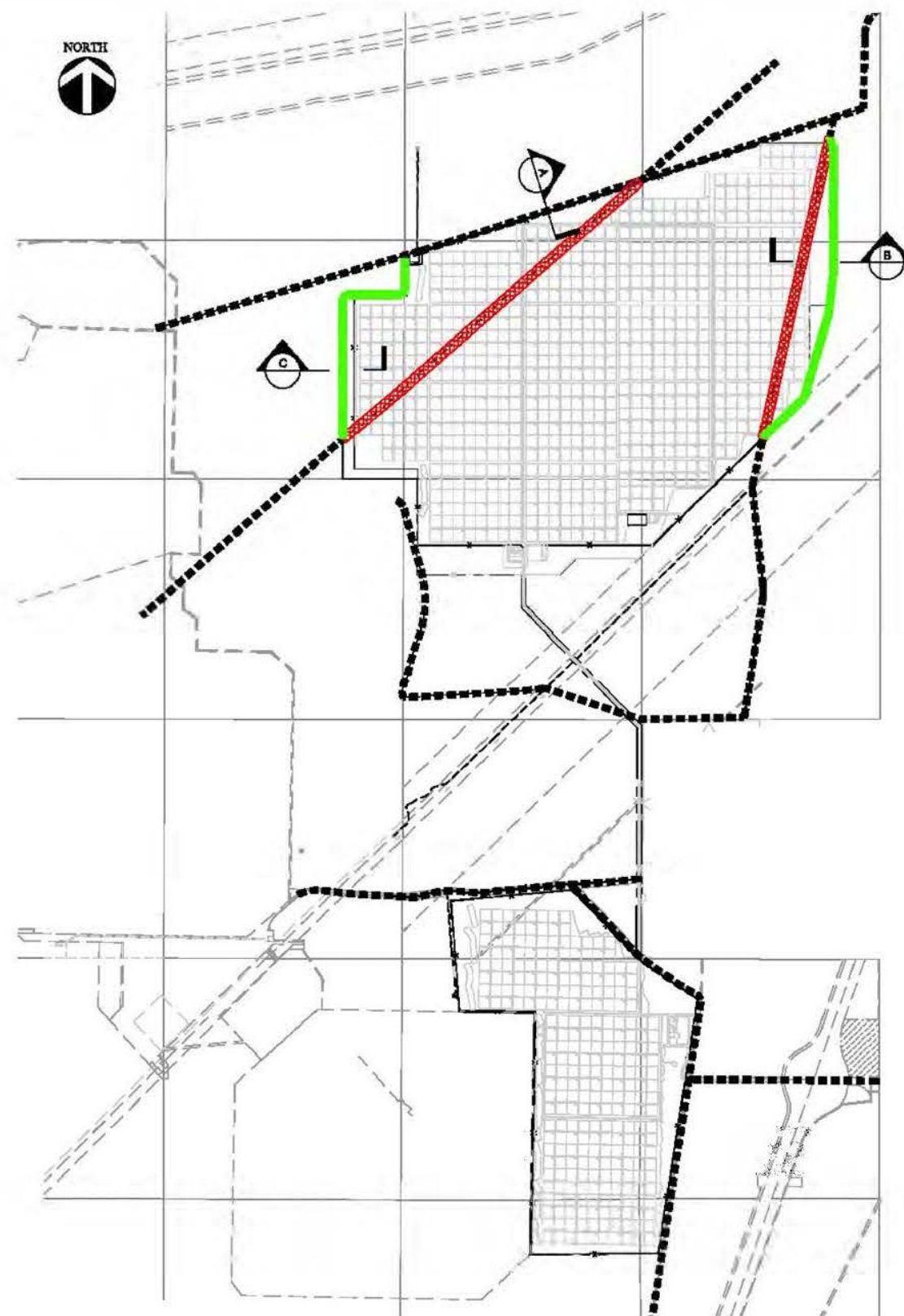
Figure 4.1-1  
Cumulative Projects

Stateline Solar Farm Project

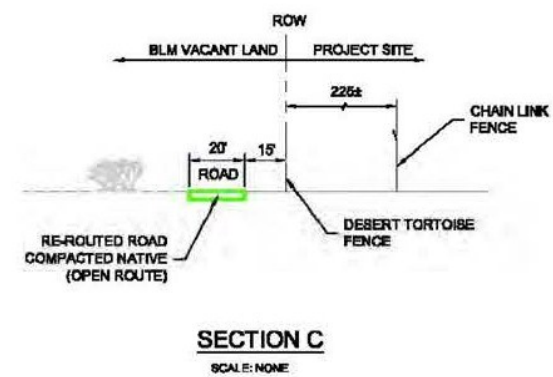
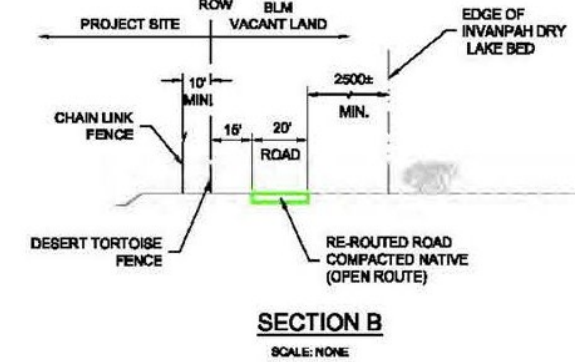
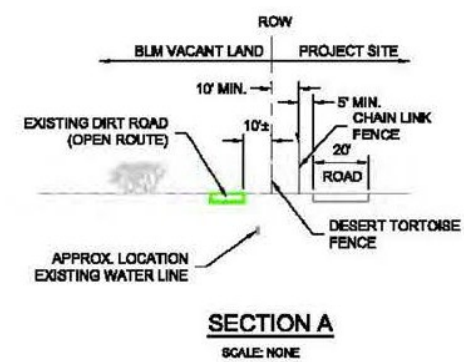
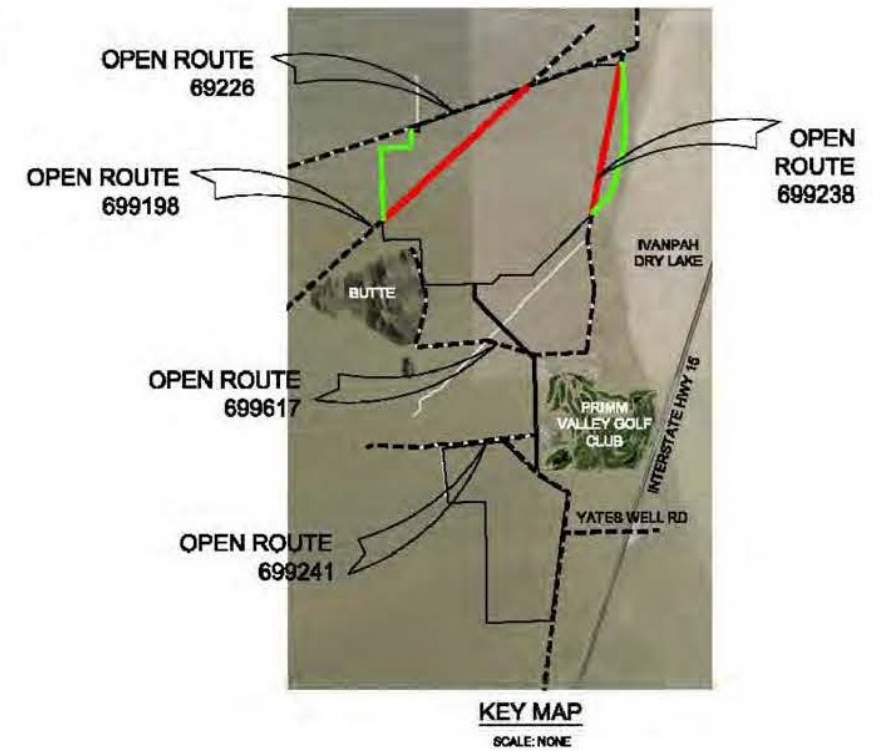








- LEGEND**
- ABANDON EXISTING OPEN ROUTE
  - PROPOSED OPEN ROUTE
  - EXISTING OPEN ROUTE

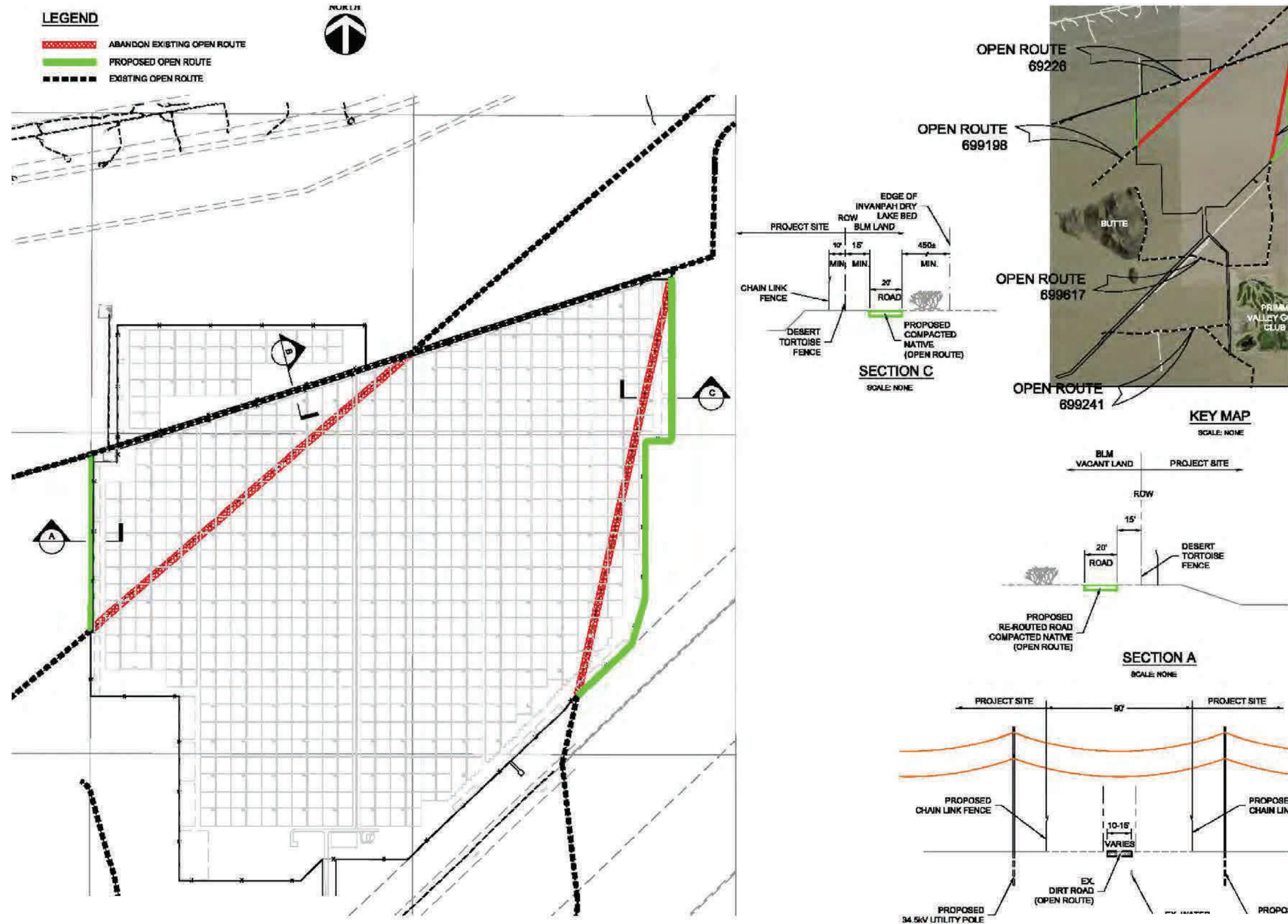


**AECOM**

Figure 4.6.2  
Proposed Re-Routing of Existing Routes  
and Facilities - Alt 2

Stateline Solar Farm Project



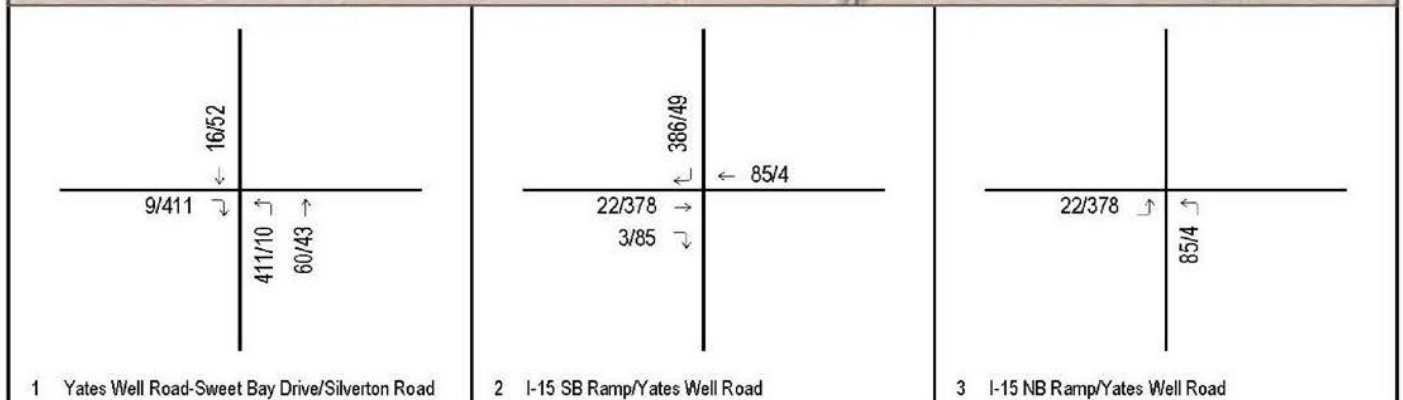
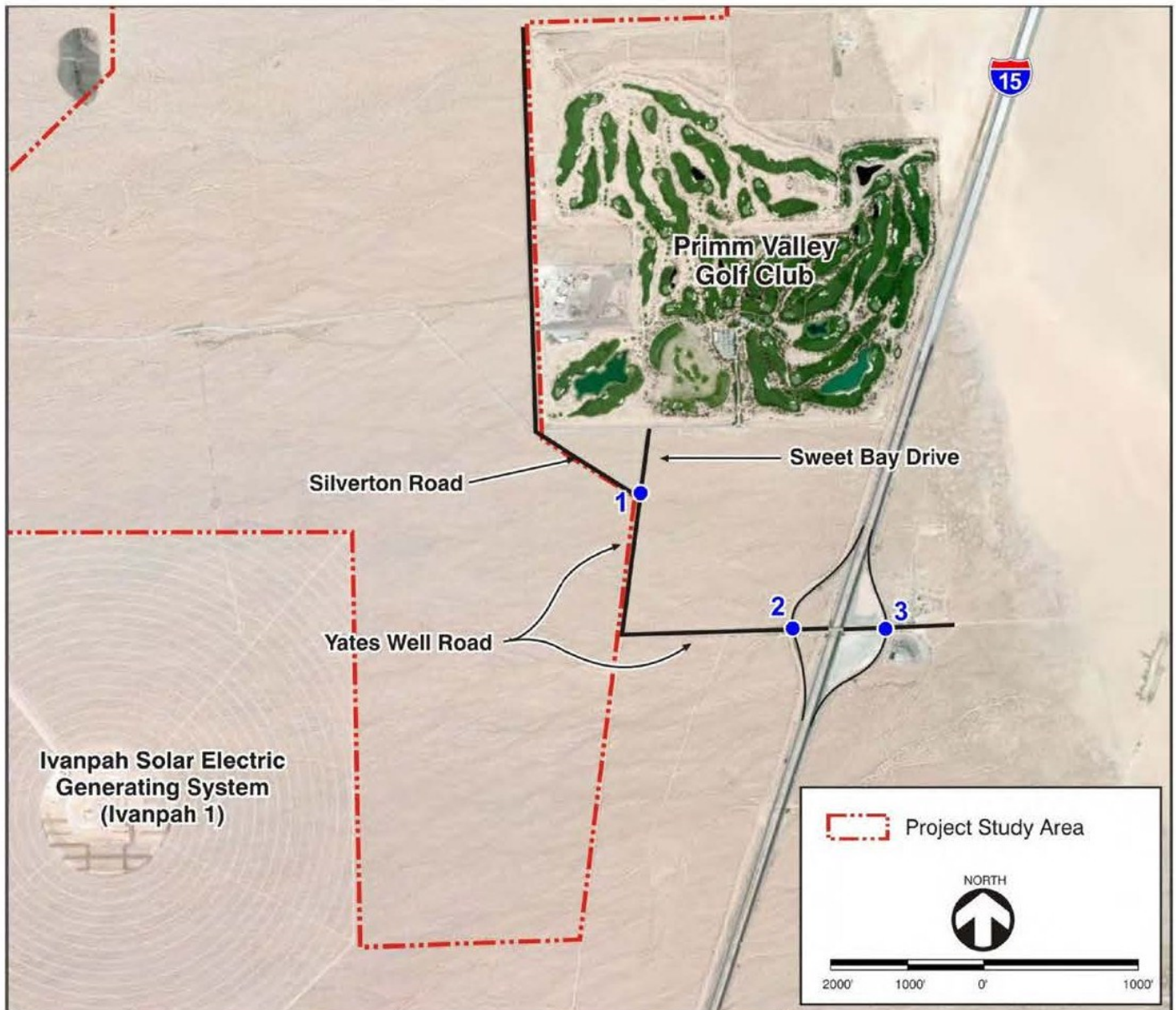


**AECOM**

Figure 4.6.3  
Proposed Re-Routing of Existing Routes  
and Facilities - Revised Alt 3

Stateline Solar Farm Project





Source: First Solar 2012L



Figure 4.16-1  
Existing Plus Project Construction Traffic Volumes

Stateline Solar Farm Project

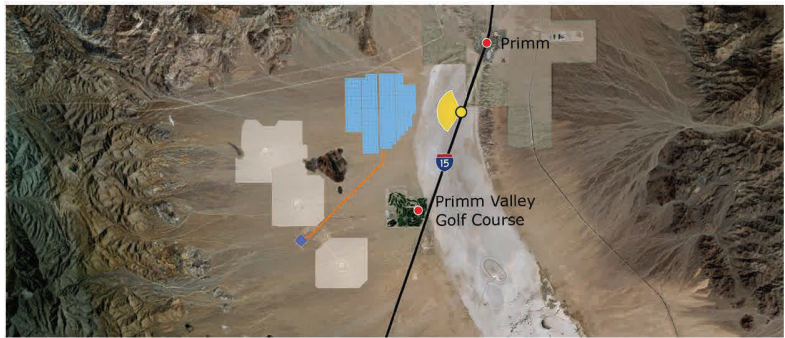




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location    ■ Proposed Solar Farm  
— Transmission Line    ■ Ivanpah Project

Easting Position: **2235565.3**  
Northing Position: **734289.6**  
Elevation of Photopoint Position (ft): **2609.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 October 2010 at 12:23 pm**  
Orientation of View: **W**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-1A**

Existing view from  
Key Observation Point 03

2 miles from Primm on Interstate 15





<p>Photo Simulation Created Using TrueView™ Technology (Patent No.: US 8,184,906 B2)</p> <p>Provided by <b>TRUESCAPE</b> CONSULTING &amp; VISUAL FACILITATION</p> <p>www.truescape.com</p> <p><b>AECOM</b></p>		<table><tr><td></td><td>Viewpoint Location</td><td></td><td>Proposed Solar Farm</td></tr><tr><td></td><td>Transmission Line</td><td></td><td>Ivanpah Project</td></tr></table> <p>Easting Position: <b>2235565.3</b> Northing Position: <b>734289.6</b> Elevation of Photopoint Position (ft): <b>2609.8</b> Height of Camera Above Ground (ft): <b>5.4</b> Date of Photography: <b>24 October 2010 at 12:23 pm</b> Orientation of View: <b>W</b> Horizontal Field of View: <b>124°</b> Vertical Field of View: <b>55°</b></p>		Viewpoint Location		Proposed Solar Farm		Transmission Line		Ivanpah Project		<p>NOTES:</p> <p>Viewpoint locations have been precision surveyed by</p> <p><b>Steve Dumovich, PLS</b> Taney Engineering 6030 South Jones Boulevard #100 Las Vegas, Nevada 89110</p> <p>Locations surveyed as State Plane Coordinate System, California Zone 5, NAD 83</p> <p>No part of this photosimulation shall be altered in any way.</p> <p>Visual Assessments should be made from the full size TrueView™ only.</p>	<p><b>Stateline Solar Farm</b></p> <p><b>Figure 4.18-1B</b></p> <p>Alternative 1 Simulated view from Key Observation Point 03</p> <p>2 miles from Primm on Interstate 15</p>
	Viewpoint Location		Proposed Solar Farm										
	Transmission Line		Ivanpah Project										





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project
Easting Position:	2235565.3
Northing Position:	734289.6
Elevation of Photopoint Position (ft):	2609.8
Height of Camera Above Ground (ft):	5.4
Date of Photography:	24 October 2010 at 12:23 pm
Orientation of View:	W
Horizontal Field of View:	124°
Vertical Field of View:	55°

NOTES:  
Viewpoint locations have been precision surveyed by  
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83  
No part of this photosimulation shall be altered in any  
way.  
Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-1C**  
Alternative 2 Simulated view from  
Key Observation Point 03  
2 miles from Primm on Interstate 15

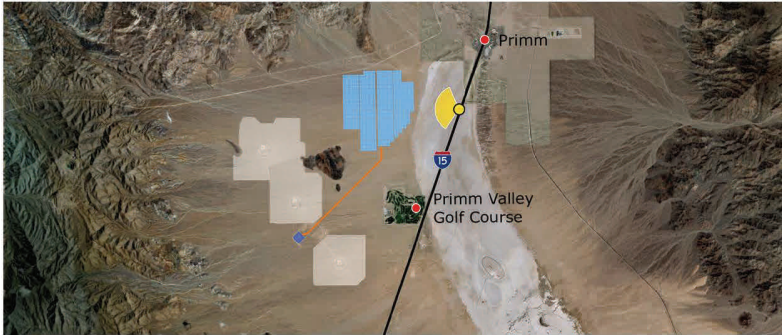




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location      ■ Proposed Solar Farm  
— Transmission Line      ■ Ivanpah Project

Easting Position: **2235565.3**  
Northing Position: **734289.6**  
Elevation of Photopoint Position (ft): **2609.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 October 2010 at 12:23 pm**  
Orientation of View: **W**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-1D**

Alternative 3 Simulated view from  
Key Observation Point 03

2 miles from Primm on Interstate 15





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location  
— Transmission Line  
■ Proposed Solar Farm  
■ Ivanpah Project

Easting Position: **2233929.4**  
Northing Position: **729395.0**  
Elevation of Photopoint Position (ft): **2658.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 September 2010 at 12:17 pm**  
Orientation of View: **WNW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-2A**

Existing view from  
Key Observation Point 05

Yates Well Road Overpass at Interstate 15

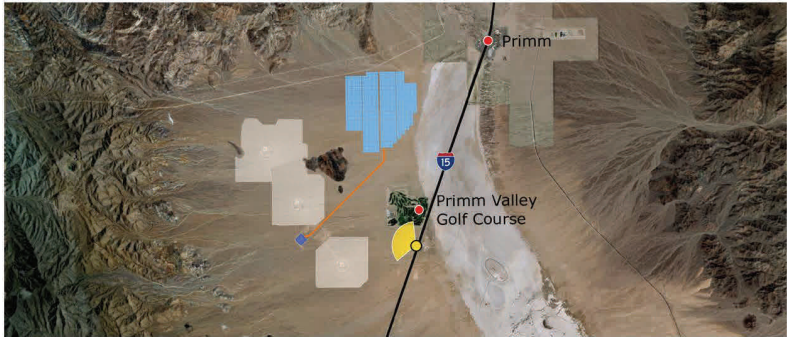




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location      ■ Proposed Solar Farm  
— Transmission Line      ■ Ivanpah Project

Easting Position: **2233929.4**  
Northing Position: **729395.0**  
Elevation of Photopoint Position (ft): **2658.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 September 2010 at 12:17 pm**  
Orientation of View: **WNW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-2B**

Alternative 1 Simulated view from  
Key Observation Point 05

Yates Well Road Overpass at Interstate 15

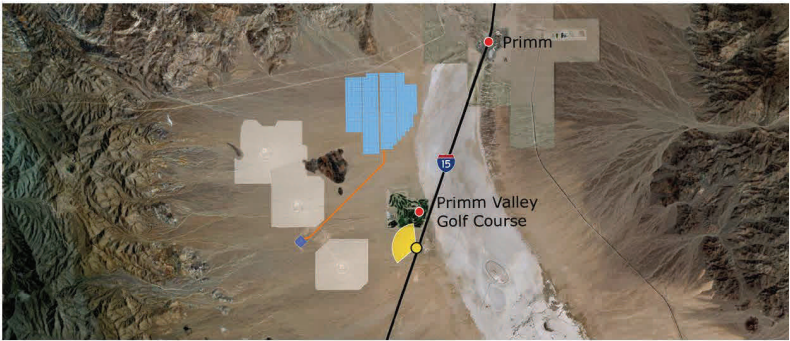




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location  
Transmission Line  
Proposed Solar Farm  
Ivanpah Project

Easting Position: **2233929.4**  
Northing Position: **729395.0**  
Elevation of Photopoint Position (ft): **2658.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 September 2010 at 12:17 pm**  
Orientation of View: **WNW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-2C**

Alternative 2 Simulated view from  
Key Observation Point 05

Yates Well Road Overpass at Interstate 15





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location  
Transmission Line  
Proposed Solar Farm  
Ivanpah Project

Easting Position: **2233929.4**  
Northing Position: **729395.0**  
Elevation of Photopoint Position (ft): **2658.8**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 September 2010 at 12:17 pm**  
Orientation of View: **WNW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**





**Figure 4.18-2D**

Alternative 3 Simulated view from  
Key Observation Point 05

Yates Well Road Overpass at Interstate 15





	Viewpoint Location		Proposed Solar Farm
	Transmission Line		Ivanpah Project

Easting Position:	<b>2233167.1</b>
Northing Position:	<b>731450.4</b>
Elevation of Photopoint Position (ft):	<b>2673.6</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>24 October 2010 at 11:45 am</b>
Orientation of View:	<b>N</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.

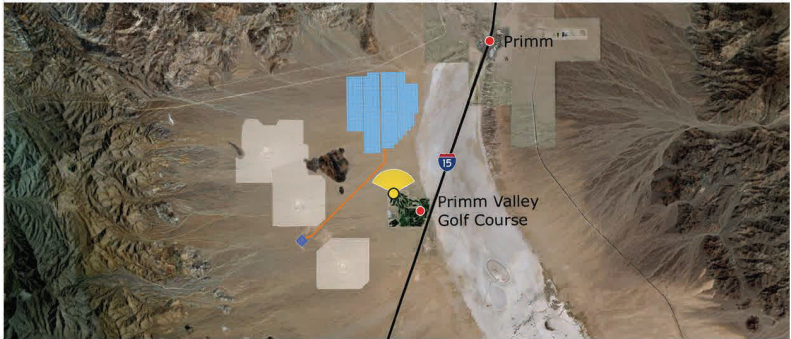




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location  
— Transmission Line  
■ Proposed Solar Farm  
■ Ivanpah Project

Easting Position: **2233167.1**  
Northing Position: **731450.4**  
Elevation of Photopoint Position (ft): **2673.6**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 October 2010 at 11:45 am**  
Orientation of View: **N**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



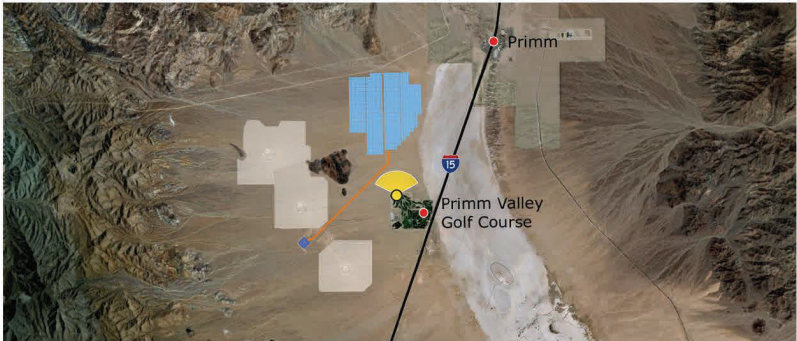
**Stateline Solar Farm**





**Figure 4.18-3B**

Alternative 1 Simulated view from  
Key Observation Point 06

Primm Valley Golf Course





	Viewpoint Location		Proposed Solar Farm
	Transmission Line		Ivanpah Project
Easting Position: <b>2233167.1</b>			
Northing Position: <b>731450.4</b>			
Elevation of Photopoint Position (ft): <b>2673.6</b>			
Height of Camera Above Ground (ft): <b>5.4</b>			
Date of Photography: <b>24 October 2010 at 11:45 am</b>			
Orientation of View: <b>N</b>			
Horizontal Field of View: <b>124°</b>			
Vertical Field of View: <b>55°</b>			

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-3C**  
Alternative 2 Simulated view from  
Key Observation Point 06  
Primm Valley Golf Course





Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project

Easting Position:	<b>2233167.1</b>
Northing Position:	<b>731450.4</b>
Elevation of Photopoint Position (ft):	<b>2673.6</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>24 October 2010 at 11:45 am</b>
Orientation of View:	<b>N</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location  
Transmission Line  
Proposed Solar Farm  
Ivanpah Project

Easting Position: **2232834.7**  
Northing Position: **73035.2**  
Elevation of Photopoint Position (ft): **2696.1**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 September 2010 at 11:23 am**  
Orientation of View: **SW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-4A**

Existing view from  
Key Observation Point 07

400ft south from Primm Valley Golf Course





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
www.truescape.com

**AECOM**



● Viewpoint Location    ■ Proposed Solar Farm  
— Transmission Line    ■ Ivanpah Project

Easting Position: **2232834.7**  
Northing Position: **73035.2**  
Elevation of Photopoint Position (ft): **2696.1**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 September 2010 at 11:23 am**  
Orientation of View: **SW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:  
Viewpoint locations have been precision surveyed by  
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83  
No part of this photosimulation shall be altered in any  
way.  
Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-4B**  
Alternative 1 Simulated view from  
Key Observation Point 07  
400ft south from Primm Valley Golf Course





Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project

Easting Position:	<b>2232834.7</b>
Northing Position:	<b>73035.2</b>
Elevation of Photopoint Position (ft):	<b>2696.1</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>24 September 2010 at 11:23 am</b>
Orientation of View:	<b>SW</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.

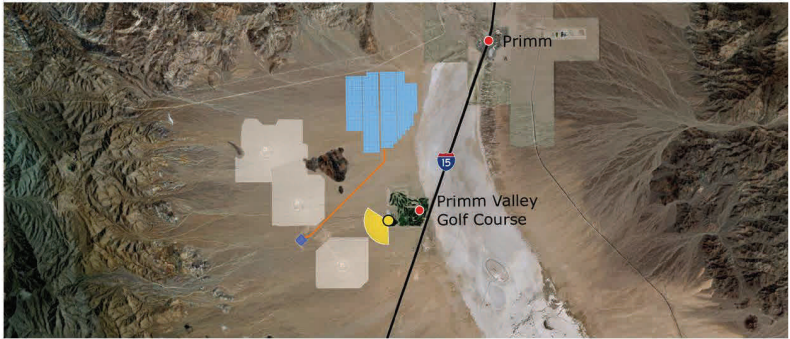




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location  
Transmission Line  
Proposed Solar Farm  
Ivanpah Project

Easting Position: **2232834.7**  
Northing Position: **73035.2**  
Elevation of Photopoint Position (ft): **2696.1**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 September 2010 at 11:23 am**  
Orientation of View: **SW**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-4D**

Alternative 3 Simulated view from  
Key Observation Point 07

400ft south from Primm Valley Golf Course





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location      ■ Proposed Solar Farm  
— Transmission Line      ■ Ivanpah Project

Easting Position: **2231559.2**  
Northing Position: **721809.1**  
Elevation of Photopoint Position (ft): **3474.5**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October 2010 at 12:58 pm**  
Orientation of View: **N**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-5A**

Existing view from  
Key Observation Point 09

Nipton Rd Overpass at Interstate 15





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location  
— Transmission Line  
■ Proposed Solar Farm  
■ Ivanpah Project

Easting Position: **2231559.2**  
Northing Position: **721809.1**  
Elevation of Photopoint Position (ft): **3474.5**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October 2010 at 12:58 pm**  
Orientation of View: **N**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-5B**

Alternative 1 Simulated view from  
Key Observation Point 09

Nipton Rd Overpass at Interstate 15





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location      ■ Proposed Solar Farm  
— Transmission Line      ■ Ivanpah Project

Easting Position: **2231559.2**  
Northing Position: **721809.1**  
Elevation of Photopoint Position (ft): **3474.5**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October 2010 at 12:58 pm**  
Orientation of View: **N**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-5C**

Alternative 2 Simulated view from  
Key Observation Point 09

Nipton Rd Overpass at Interstate 15





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location      ■ Proposed Solar Farm  
— Transmission Line      ■ Ivanpah Project

Easting Position: **2231559.2**  
Northing Position: **721809.1**  
Elevation of Photopoint Position (ft): **3474.5**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October 2010 at 12:58 pm**  
Orientation of View: **N**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-5D**

Alternative 3 Simulated view from  
Key Observation Point 09

Nipton Rd Overpass at Interstate 15





Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project

Easting Position:	<b>2394693.3</b>
Northing Position:	<b>729421.0</b>
Elevation of Photopoint Position (ft):	<b>4344.7</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>24 October at 03:04 pm</b>
Orientation of View:	<b>NE</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

NOTES:

Viewpoint locations have been precision surveyed by

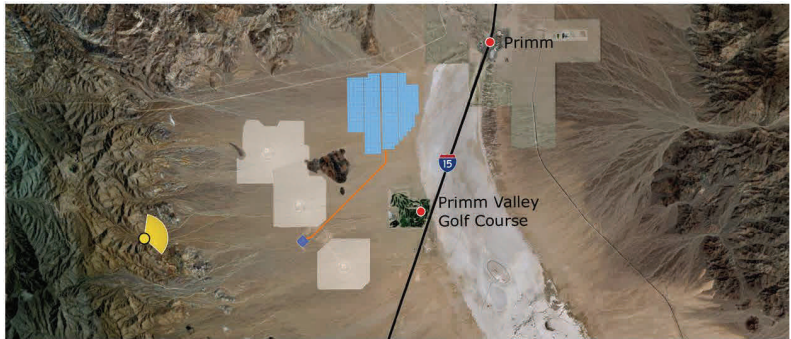
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110





Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.





	Viewpoint Location		Proposed Solar Farm
	Transmission Line		Ivanpah Project
Easting Position: <b>2394693.3</b>			
Northing Position: <b>729421.0</b>			
Elevation of Photopoint Position (ft): <b>4344.7</b>			
Height of Camera Above Ground (ft): <b>5.4</b>			
Date of Photography: <b>24 October at 03:04 pm</b>			
Orientation of View: <b>NE</b>			
Horizontal Field of View: <b>124°</b>			
Vertical Field of View: <b>55°</b>			

NOTES:

Viewpoint locations have been precision surveyed by

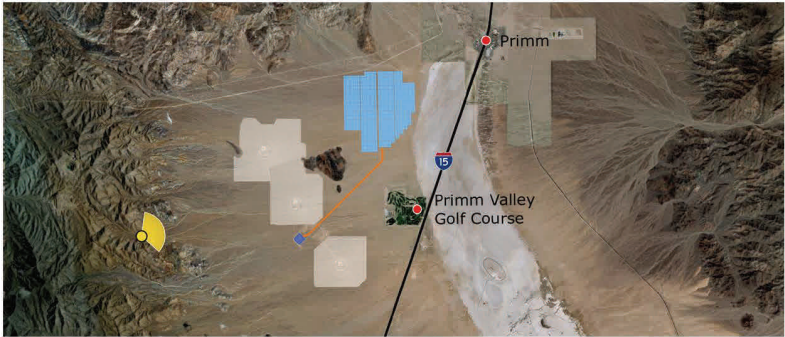
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110





Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.





	Viewpoint Location		Proposed Solar Farm
	Transmission Line		Ivanpah Project
<hr/>			
Easting Position:		<b>2394693.3</b>	
Northing Position:		<b>729421.0</b>	
Elevation of Photopoint Position (ft):		<b>4344.7</b>	
Height of Camera Above Ground (ft):		<b>5.4</b>	
Date of Photography:		<b>24 October at 03:04 pm</b>	
Orientation of View:		<b>NE</b>	
Horizontal Field of View:		<b>124°</b>	
Vertical Field of View:		<b>55°</b>	

NOTES:

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location  
Transmission Line  
Proposed Solar Farm  
Ivanpah Project

Easting Position: **2394693.3**  
Northing Position: **729421.0**  
Elevation of Photopoint Position (ft): **4344.7**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **24 October at 03:04 pm**  
Orientation of View: **NE**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-6D**

Alternative 3 Simulated view from  
Key Observation Point 10

Coliseum Road in Mojave National Preserve

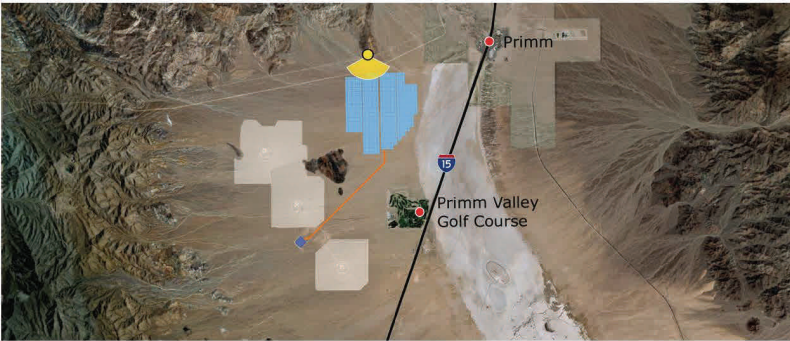




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location    ■ Proposed Solar Farm  
— Transmission Line    ■ Ivanpah Project

Easting Position: **2231940.5**  
Northing Position: **736771.3**  
Elevation of Photopoint Position (ft): **2775.1**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October at 02:44 pm**  
Orientation of View: **S**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-7A**

Existing view from  
Key Observation Point 12  
2.8 miles west from Primm

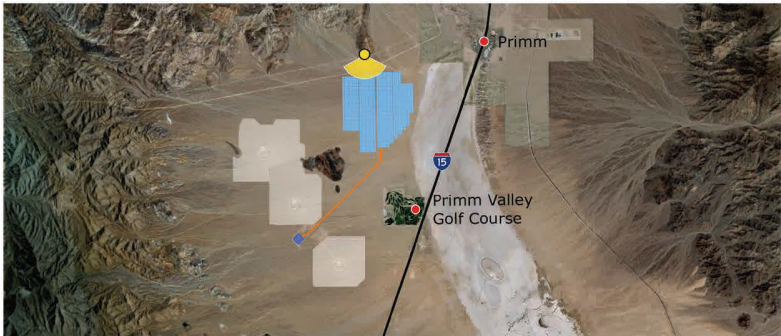




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



● Viewpoint Location  
— Transmission Line  
■ Proposed Solar Farm  
■ Ivanpah Project

Easting Position: **2231940.5**  
Northing Position: **736771.3**  
Elevation of Photopoint Position (ft): **2775.1**  
Height of Camera Above Ground (ft): **5.4**  
Date of Photography: **23 October at 02:44 pm**  
Orientation of View: **S**  
Horizontal Field of View: **124°**  
Vertical Field of View: **55°**

NOTES:  
Viewpoint locations have been precision surveyed by  
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83  
No part of this photosimulation shall be altered in any  
way.  
Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-7B**  
Alternative 1 Simulated view from  
Key Observation Point 12  
2.8 miles west from Primm

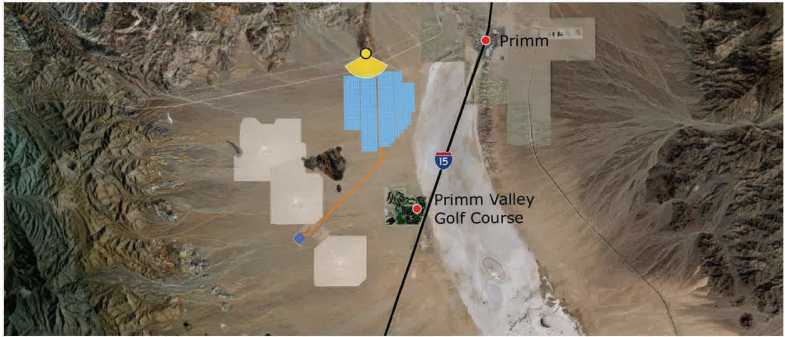




Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project
Easting Position:	<b>2231940.5</b>
Northing Position:	<b>736771.3</b>
Elevation of Photopoint Position (ft):	<b>2775.1</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>23 October at 02:44 pm</b>
Orientation of View:	<b>S</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

**NOTES:**

Viewpoint locations have been precision surveyed by

**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-7C**

Alternative 2 Simulated view from  
Key Observation Point 12

2.8 miles west from Primm





Photo Simulation Created Using  
TrueView™ Technology  
(Patent No.: US 8,184,906 B2)

Provided by  
**TRUESCAPE**  
CONSULTING & VISUAL FACILITATION  
[www.truescape.com](http://www.truescape.com)

**AECOM**



Viewpoint Location	Proposed Solar Farm
Transmission Line	Ivanpah Project
Easting Position:	<b>2231940.5</b>
Northing Position:	<b>736771.3</b>
Elevation of Photopoint Position (ft):	<b>2775.1</b>
Height of Camera Above Ground (ft):	<b>5.4</b>
Date of Photography:	<b>23 October at 02:44 pm</b>
Orientation of View:	<b>S</b>
Horizontal Field of View:	<b>124°</b>
Vertical Field of View:	<b>55°</b>

NOTES:  
Viewpoint locations have been precision surveyed by  
**Steve Dumovich, PLS**  
Taney Engineering  
6030 South Jones Boulevard #100  
Las Vegas, Nevada 89110

Locations surveyed as State Plane Coordinate System,  
California Zone 5, NAD 83

No part of this photosimulation shall be altered in any  
way.

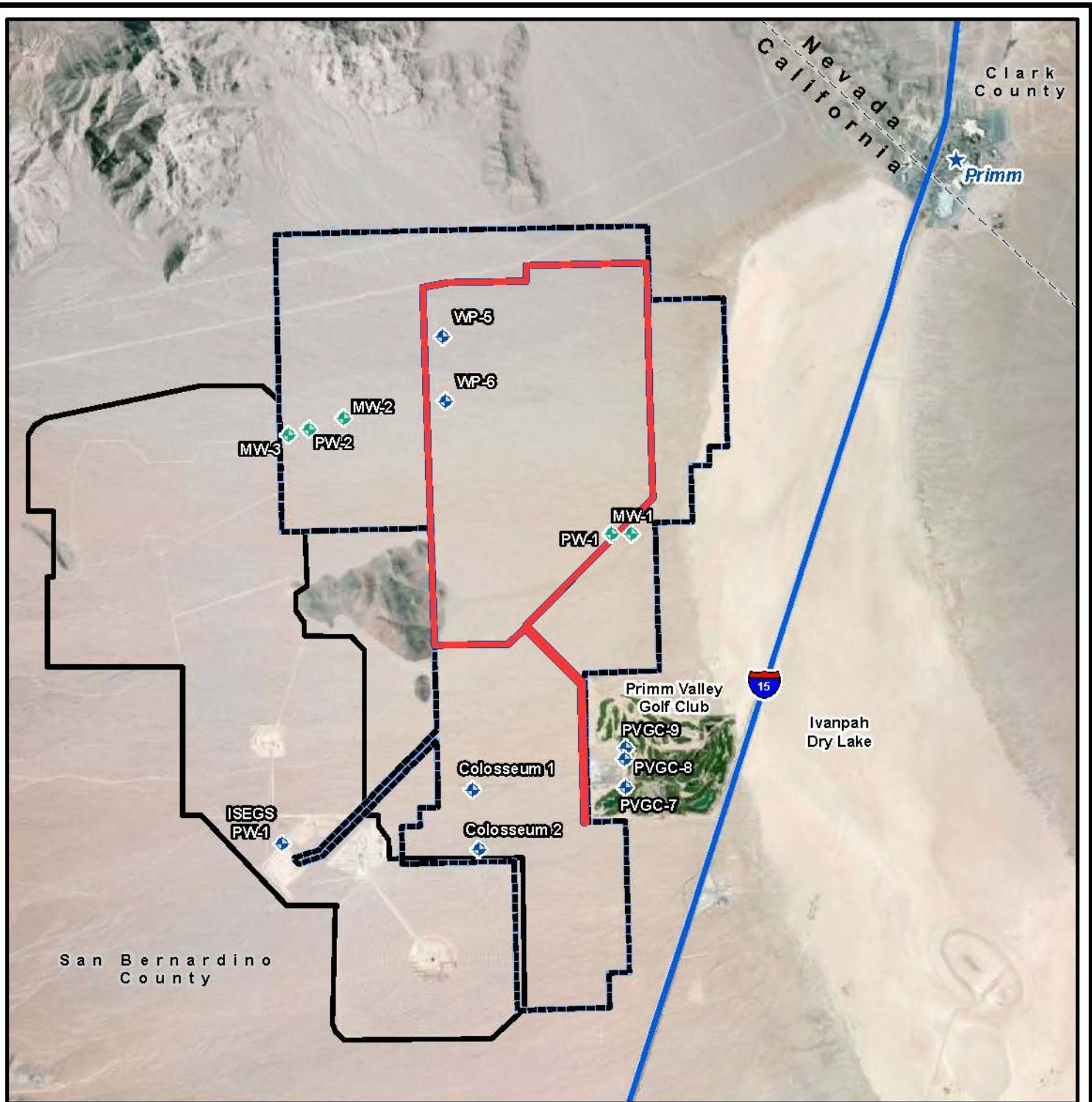
Visual Assessments should be made from the full size  
TrueView™ only.



**Stateline Solar Farm**

**Figure 4.18-7D**  
Alternative 3 Simulated view from  
Key Observation Point 12  
2.8 miles west from Primm





0 2,500 5,000 10,000 Feet

#### Legend

- ◆ New Well Location
- ◆ Existing Well Location
- Alternative 1 Footprint
- Project Study Area
- ISEGS Facility Boundary



**AECOM**

Figure 4.19-1  
Well Locations  
Alternative 1: Proposed Action

Stateline Solar Farm Project